					DEPARTMENT	TATE OF UTAH TOF NATURAL RES DF OIL, GAS AND N				AMENDE	FOR D REPORT		
			APPLICATION	I FOR	PERMIT TO DRILL				1. WELL NAME and N	JMBER Aurora 9-1	D-7-19		
2. TYPE O	F WORK	DRILL NEW WE	u 🙉 - peeu	TER P&/	A WELL CO. DEEDEN	I WELL			3. FIELD OR WILDCA				
4. TYPE O	F WELL		5. UNIT or COMMUNI	TIZATION A	GREEME	NT NAM	E						
6. NAME (OF OPERATOR	R	Oil Well		d Methane Well: NO				7. OPERATOR PHONE	AURORA (E	DEEP)		
8. ADDRE	SS OF OPERA	TOR	BILL	BARRE	TT CORP				9. OPERATOR E-MAII	303 312-	8164		
	AL LEASE NU	1	099 18th Street	Ste 230	0, Denver, CO, 80202	SHIP				ers@billbar	rettcorp.co	m	
	L, INDIAN, OR					DIAN 📄 STATE (\supset	FEE 📵		DIAN 🔵	STATE (FE	E 📵
13. NAME	OF SURFACE	OWNER (if box		bert W.	Conrad				14. SURFACE OWNER	R PHONE (i		'fee')	
15. ADDR	ESS OF SURF	ACE OWNER (if b	oox 12 = 'fee')		ırray, UT 84107				16. SURFACE OWNE			'fee')	
17. INDIA	N ALLOTTEE (OR TRIBE NAME	3310 0 300	5 VV, IVIO	18. INTEND TO COMM		N FRO	OM .	19. SLANT				
	2 = 'INDIAN')				YES (Submit C	NS Commingling Applicat	ion)	NO 🔵	VERTICAL DIF	RECTIONAL	📵 но	RIZONT	AL 🔵
20. LOC	ATION OF WEL	-L		FO	OTAGES	QTR-QTR		SECTION	TOWNSHIP	RAN	GE	МЕ	RIDIAN
LOCATIO	ON AT SURFAC	E		2475 FS	SL 1125 FEL	NESE		1	7.0 S	19.0	Е		S
Top of U	Ippermost Pro	ducing Zone		1988 F	SL 659 FEL	NESE		1	7.0 S	19.0	Е		S
At Total	Depth			1980 F	SL 660 FEL	NESE		1	7.0 S	19.0	Е		S
21. COUN	ITY	UINTAH			22. DISTANCE TO NEA	AREST LEASE LINE (I	Feet)		23. NUMBER OF ACR	ES IN DRILL 40	ING UNIT		
					25. DISTANCE TO NEA (Applied For Drilling		E POO	DL	26. PROPOSED DEPTI		VD: 1102	4	
27. ELEV	ATION - GROU	ND LEVEL			28. BOND NUMBER	8. BOND NUMBER 29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPL 43-180					PLICABL	.E	
					Hole, Casing	, and Cement Inf	orma	tion					
String	Hole Size	Casing Size	Length	Weigl	ht Grade & Threa	d Max Mud Wt			Cement		Sacks	Yield	Weight
COND	26	16	0 - 80	65.0	Unknown	8.8			Unknown		0	0.0	0.0
SURF	12.25	9.625	0 - 3000	36.0	J-55 ST&C	8.8		Halliburto	alliburton Light , Type Unknown 450 3.16				11.0
								Halliburton	Premium , Type Ur	nknown	210	1.36	14.8
PROD	8.75	5.5	0 - 11093	17.0	P-110 LT&C	9.7	+		Unknown		760	2.31	11.0
			<u> </u>						Unknown		1070	1.42	13.5
					Α	TTACHMENTS							
	VE	RIFY THE FOLI	LOWING ARE	ATTAC	HED IN ACCORDAN	NCE WITH THE UT	ан о	IL AND GAS	CONSERVATION G	ENERAL	RULES		
⊮ w	ELL PLAT OR	MAP PREPARED E	BY LICENSED SU	RVEYO	R OR ENGINEER	⊯ con	/IPLET	E DRILLING P	LAN				
I ✓ AF	FIDAVIT OF ST	TATUS OF SURFA	CE OWNER AGR	EEMEN	T (IF FEE SURFACE)	FOR	M 5. IF	OPERATOR IS	S OTHER THAN THE LI	EASE OWN	ĒR		
I ✓ DII	RECTIONAL S	URVEY PLAN (IF I	DIRECTIONALLY	OR HO	RIZONTALLY DRILLED	TOP	OGRAI	PHICAL MAP					
NAME Venessa Langmacher TITLE Senior Permit Analyst PHONE 303 312-8172													
SIGNATU	JRE			DAT	E 02/22/2012			EMAIL vlang	macher@billbarrettcorp	o.com			
	ber assigne 04752394			APP	ROVAL			Book	ogill				
				Permi	Permit Manager								

DRILLING PLAN

BILL BARRETT CORPORATION

Aurora #9-1D-7-19 Well Pad

NE SE, 2475' FSL and 1125' FEL, Section 1, T7S-R19E, SLB&M (surface hole) NE SE, 1980' FSL and 660' FEL, Section 1, T7S-R19E, SLB&M (bottom hole) Uintah County, Utah

1 - 2. <u>Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals</u>

Formation	Depth – MD	Depth – TVD
Lower Green River*	6,868'	6,799'
Douglas Creek	6,928'	6,859'
Black Shale	7,623'	7,554'
Castle Peak	7,713'	7,644'
Wasatch*	8,593'	8,524'
TD	11,093'	11,024'

^{*}PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

3. BOP and Pressure Containment Data

Depth Intervals	BOP Equipment							
0 - 3,000	Diverter or rotating head on conductor will be nippled up							
3,000' - TD	11" 5000# Ram Type BOP							
	11" 5000# Annular BOP							
- Drilling spool to a	accommodate choke and kill lines;							
- Ancillary equipme	ent and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in							
accordance with the	he requirements of onshore Order No. 2;							
- The BLM and the	State of Utah Division of Oil, Gas and Mining will be notified 24 hours in							
advance of all BC	advance of all BOP pressure tests.							
- BOP hand wheels	- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up							
To operate most e	fficiently in this manner.							

4. <u>Casing Program</u>

<u>Hole</u> <u>Size</u>	SETTING DEPTH (FROM) (TO)				Casing Grade	Thread	Condition						
26"	Surface	80'	16"	65#									
12 1/4"	Surface	3,000'	9 5/8"	36#	J or K 55	BT&C	New						
8 3/4"	Surface	TD	5 ½"	17#	P-110	LT&C	New						
NOTE:	NOTE: In addition, 8 3/4" hole size may change to 7 7/8" at the point the bit is changed out.												

RECEIVED: February 22, 2012

Bill Barrett Corporation Drilling Program Aurora #9-1D-7-19 Uintah County, Utah

5. <u>Cementing Program</u>

Casing	Cementing
16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead with approximately 450 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. Top of lead estimated at surface.
	Tail with approximately 210 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess. Top of tail estimated at 2,500'.
5 ½" Production Casing	Lead with approximately 760 sx Tuned Light cement with additives, mixed at 11.0 ppg (yield = 2.31 ft ³ /sx,). Top of lead estimated at 2,500°.
	Tail with approximately 1070 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of tail estimated at 7,123°.

6. <u>Mud Program</u>

<u>Interval</u>	Weight	<u>Viscosity</u>	Fluid Loss (API filtrate)	<u>Remarks</u>
0'-80'	8.3 - 8.8	26 – 36	NC	Freshwater Spud Mud Fluid
002 2 0002	0.2 0.0	26 26	NG	System
80' – 3,000'	8.3 - 8.8	26 – 36	NC	Freshwater Spud Mud Fluid
				System
3,000' – TD	8.6 - 9.7	42-52	20 cc or less	DAP Polymer Fluid System

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.

7. <u>Testing, Logging and Core Programs</u>

Cores	None anticipated
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface).
	FMI & Sonic Scanner to be run at geologist's discretion.

Bill Barrett Corporation Drilling Program Aurora #9-1D-7-19 Uintah County, Utah

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 5560 psi* and maximum anticipated surface pressure equals approximately 3135 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

9. <u>Auxiliary Equipment</u>

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Green River located in Sec. 33, T8S, R20E.

11. <u>Drilling Schedule</u>

Location Construction: June 2012 Spud: June 2012

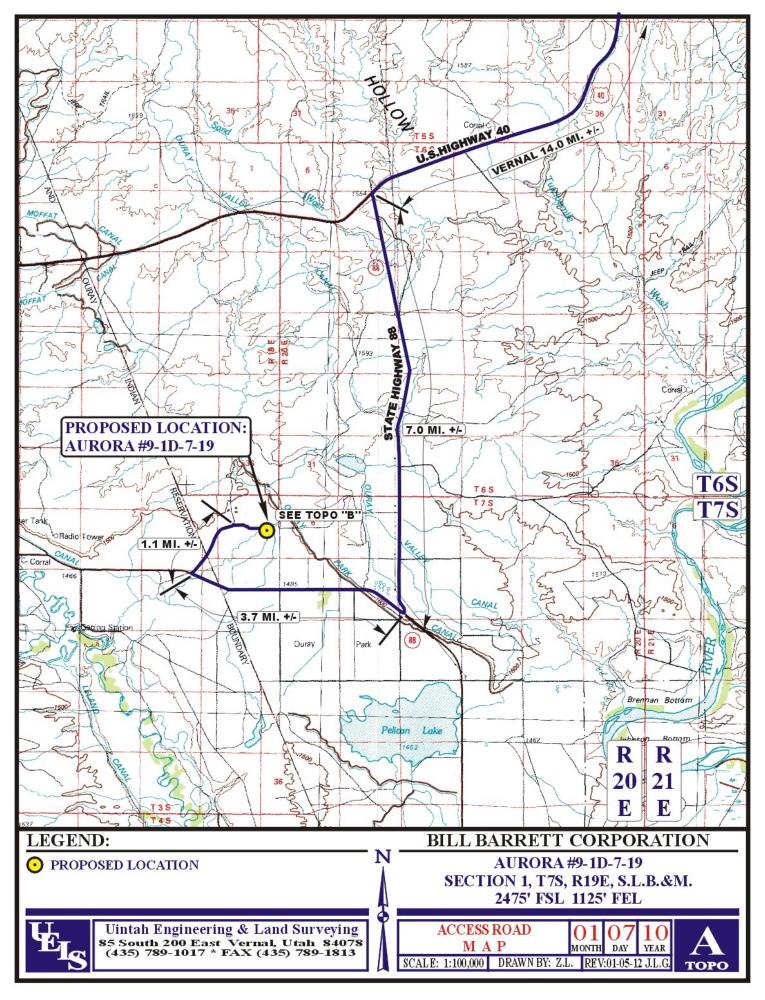
Duration: 15 days drilling time

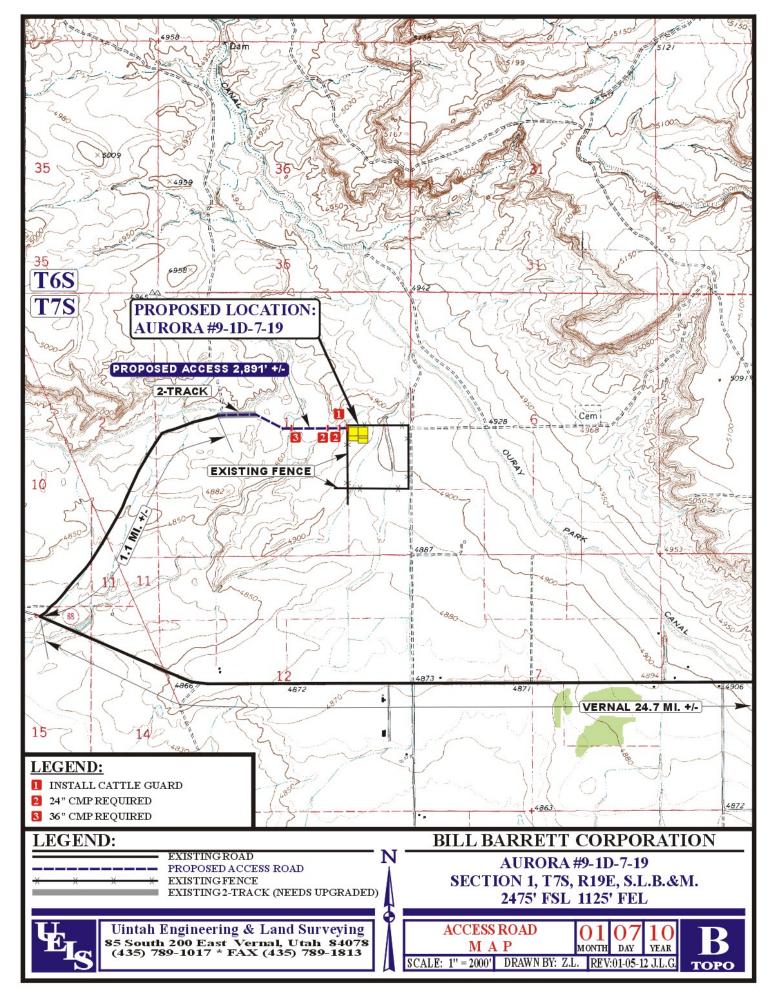
45 days completion time

^{**}Maximum surface pressure = A - (0.22 x TD)

BILL BARRETT CORPORATION

T7S, R19E, S.L.B.&M.





Bill Barrett Corporation

COMPANY DETAILS: BILL BARRETT CORP

Calculation Method: Minimum Curvature

Error System: ISCWSA

Scan Method: Closest Approach 3D

Error Surface: Elliptical Conic Warning Method: Error Ratio

SITE DETAILS: Aurora 9-1D-7-19 East Bluebell

Site Latitude: 40° 14' 21.052 N Site Longitude: 109° 43' 30.360 W

Positional Uncertainity: 0.0 Convergence: 1.17 Local North: True

WELL DETAILS: Aurora 9-1D-7-19

Ground Level: 4884.0

Northing +N/-S +E/-W 0.0 0.0 -29241.71 2495555.82 40° 14' 21.051 N 109° 43' 30.360 W

9-1D-7-19 PBHL

Easting Latittude Longitude

WELLBORE TARGET DETAILS (LAT/LONG)

0.00

+N/-S TVD +E/-W Latitude Longitude 466.9 109° 43' 24.341 W 9-1D-7-19 TGR3 6799.0 -487.8 40° 14' 16.231 N

Rectangle (Sides: L200.0 W200.0) 109° 43' 24.341 W 9-1D-7-19 PBHL 40° 14' 16.231 N 11024.0 -487.8 466.9 Rectangle (Sides: L200.0 W200.0)

675.2

0.00

	SECTION DETAILS														
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target					
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	· ·					
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0						
3	3865.1	12.98	136.26	3857.8	-70.5	67.5	1.50	136.26	97.6						
4	6003.2	12.98	136.26	5941.2	-417.4	399.4	0.00	0.00	577.7						
5	6868 4	0.00	0.00	6799 N	-487 8	466 9	1 50	180 00	675.2	9-1D-7-19 TGR3					

-487.8 466.9

	FORMATION TOP DETAILS										
	TVDPath	MDPath	Formation								
	4519.0	4543.7	Green River								
	5594.0	5646.9	Mahogany								
	6799.0	6868.4	TGR3								
	6859.0	6928.4	Douglas Creek								
	7554.0	7623.4	Black Shale Facies								
	7644.0	7713.4	Castle Peak								
	8524.0	8593.4	Wasatch								
l	11024.0	11093.4	TD								

Slot

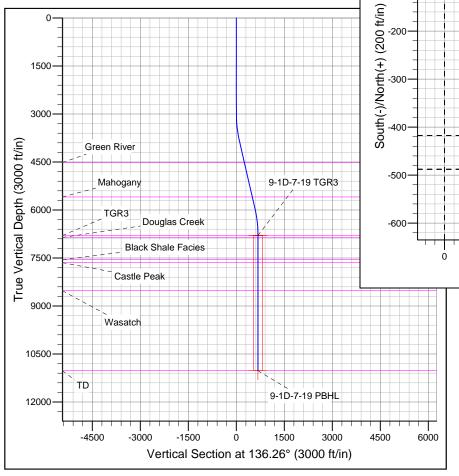
CASING DETAILS

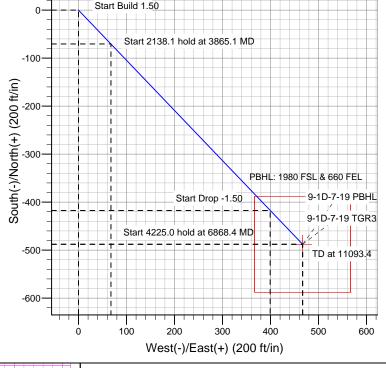
6 11093.4

0.00

0.00 11024.0

No casing data is available





Т Azimuths to True North Magnetic North: 11.12° Magnetic Field Strength: 52362.3snT Dip Angle: 66.00° Date: 2/8/2012 Model: IGRF2010

Bill Barrett Corp

Planning Report

Compass Database:

Wellbore:

Design:

Company: **BILL BARRETT CORP** Project: **UINTAH COUNTY** Aurora 9-1D-7-19 Site: Well: Aurora 9-1D-7-19

Design #1

Aurora 9-1D-7-19

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Site Aurora 9-1D-7-19

KB @ 4900.0ft (Original Well Elev) KB @ 4900.0ft (Original Well Elev)

True

Minimum Curvature

Project **UINTAH COUNTY**

US State Plane 1927 (Exact solution) Map System: NAD 1927 (NADCON CONUS) Geo Datum:

Utah North 4301 Map Zone:

System Datum:

Ground Level

Aurora 9-1D-7-19 Site

Northing: -29,241.70 ft Site Position: Latitude: 40° 14' 21.052 N From: Lat/Long Easting: 2,495,555.82 ft Longitude: 109° 43' 30.360 W **Position Uncertainty:** 0.0 ft Slot Radius: **Grid Convergence:** 1.17 °

Well Aurora 9-1D-7-19 **Well Position** +N/-S 0.0 ft Northing: -29,241.71 ft Latitude: 40° 14' 21.051 N +E/-W 0.0 ft Easting: 2,495,555.82 ft Longitude: 109° 43' 30.360 W **Position Uncertainty** 0.0 ft Wellhead Elevation: ft **Ground Level:** 4,884.0 ft

Wellbore Aurora 9-1D-7-19 Field Strength Magnetics **Model Name** Sample Date Declination **Dip Angle** (nT) (°) (°) IGRF2010 2/8/2012 11.12 66.00 52.362

Design #1 Design **Audit Notes:** Version: Phase: PLAN Tie On Depth: 0.0 Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (ft) (ft) (ft) (°) 0.0 136.26 0.0 0.0

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,865.1	12.98	136.26	3,857.8	-70.5	67.5	1.50	1.50	0.00	136.26	
6,003.2	12.98	136.26	5,941.2	-417.4	399.4	0.00	0.00	0.00	0.00	
6,868.4	0.00	0.00	6,799.0	-487.8	466.9	1.50	-1.50	0.00	180.00 9	-1D-7-19 TGR3
11,093.4	0.00	0.00	11,024.0	-487.8	466.9	0.00	0.00	0.00	0.00 9	-1D-7-19 PBHL

Aurora 9-1D-7-19

Bill Barrett Corp

Planning Report

Database: Compass

Site:

Company: BILL BARRETT CORP
Project: UINTAH COUNTY

Well: Aurora 9-1D-7-19
Wellbore: Aurora 9-1D-7-19

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Site Aurora 9-1D-7-19

KB @ 4900.0ft (Original Well Elev) KB @ 4900.0ft (Original Well Elev)

True

Minimum Curvature

Design:	Design #1								
Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0 1,800.0	0.00 0.00	0.00 0.00	1,700.0 1,800.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	0.00 0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	1.50	136.26	3,100.0	-1.0	0.9	1.3	1.50	1.50	0.00
3,200.0	3.00	136.26	3,199.9	-3.8	3.6	5.2	1.50	1.50	0.00
3,300.0	4.50	136.26	3,299.7	-8.5	8.1	11.8	1.50	1.50	0.00
3,400.0	6.00	136.26	3,399.3	-15.1	14.5	20.9	1.50	1.50	0.00
3,500.0	7.50	136.26	3,498.6	-23.6	22.6	32.7	1.50	1.50	0.00
3,600.0	9.00	136.26	3,597.5	-34.0	32.5	47.0	1.50	1.50	0.00
3,700.0	10.50	136.26	3,696.1	-46.2	44.2	64.0	1.50	1.50	0.00
3,800.0	12.00	136.26	3,794.2	-60.3	57.7	83.5	1.50	1.50	0.00
3,865.1	12.98	136.26	3,857.8	-70.5	67.5	97.6	1.50	1.50	0.00
3,900.0	12.98	136.26	3,891.7	-76.1	72.9	105.4	0.00	0.00	0.00
4,000.0	12.98	136.26	3,989.2	-70.1 -92.4	88.4	127.8	0.00	0.00	0.00
4,100.0	12.98	136.26	4,086.6	-108.6	103.9	150.3	0.00	0.00	0.00
4,200.0	12.98	136.26	4,184.1	-124.8	119.4	172.8	0.00	0.00	0.00
4,300.0	12.98	136.26	4,281.5	-141.0	135.0	195.2	0.00	0.00	0.00
4,400.0	12.98	136.26	4,379.0	-157.3 173.5	150.5 166.0	217.7	0.00 0.00	0.00	0.00
4,500.0 4,543.7	12.98 12.98	136.26 136.26	4,476.4 4,519.0	-173.5 -180.6	166.0 172.8	240.1 249.9	0.00	0.00 0.00	0.00 0.00
	12.90	130.20	4,518.0	-100.0	1/2.0	249.9	0.00	0.00	0.00
Green River 4,600.0	12.98	126.26	4 E72 O	190.7	101 E	262.6	0.00	0.00	0.00
4,600.0 4,700.0	12.98	136.26 136.26	4,573.9 4,671.3	-189.7 -205.9	181.5 197.1	262.6 285.0	0.00 0.00	0.00	0.00 0.00
4,800.0	12.98	136.26	4,768.7	-222.2	212.6	307.5	0.00	0.00	0.00
4,900.0	12.98	136.26	4,866.2	-238.4	228.1	329.9	0.00	0.00	0.00
5,000.0	12.98	136.26	4,963.6	-254.6	243.7	352.4	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database: Compass

BILL BARRETT CORP Company: Project: **UINTAH COUNTY** Aurora 9-1D-7-19 Site: Well: Aurora 9-1D-7-19 Aurora 9-1D-7-19 Wellbore:

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Site Aurora 9-1D-7-19

KB @ 4900.0ft (Original Well Elev) KB @ 4900.0ft (Original Well Elev)

True

Minimum Curvature

Design:	Design #1								
Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.0 5,200.0	12.98 12.98	136.26 136.26	5,061.1 5,158.5	-270.8 -287.1	259.2 274.7	374.9 397.3	0.00 0.00	0.00 0.00	0.00 0.00
5,300.0 5,400.0 5,500.0 5,600.0 5,646.9	12.98 12.98 12.98 12.98 12.98	136.26 136.26 136.26 136.26 136.26	5,256.0 5,353.4 5,450.9 5,548.3 5,594.0	-303.3 -319.5 -335.7 -351.9 -359.6	290.2 305.8 321.3 336.8 344.1	419.8 442.2 464.7 487.1 497.7	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
Mahogany									
5,700.0 5,800.0 5,900.0 6,000.0 6,003.2 6,100.0	12.98 12.98 12.98 12.98 12.98 11.53	136.26 136.26 136.26 136.26 136.26	5,645.8 5,743.2 5,840.7 5,938.1 5,941.2 6,035.8	-368.2 -384.4 -400.6 -416.8 -417.4 -432.2	352.3 367.9 383.4 398.9 399.4 413.6	509.6 532.0 554.5 577.0 577.7 598.2	0.00 0.00 0.00 0.00 0.00 1.50	0.00 0.00 0.00 0.00 0.00 -1.50	0.00 0.00 0.00 0.00 0.00 0.00
6,200.0 6,300.0 6,400.0 6,500.0	10.03 8.53 7.03 5.53	136.26 136.26 136.26 136.26	6,134.0 6,232.7 6,331.8 6,431.2	-445.7 -457.3 -467.1 -475.0	426.5 437.7 447.0 454.6	616.9 633.0 646.6 657.5	1.50 1.50 1.50 1.50	-1.50 -1.50 -1.50 -1.50	0.00 0.00 0.00 0.00
6,600.0 6,700.0 6,800.0 6,868.4 TGR3	4.03 2.53 1.03 0.00	136.26 136.26 136.26 0.00	6,530.9 6,630.7 6,730.6 6,799.0	-481.0 -485.2 -487.4 -487.8	460.4 464.3 466.4 466.9	665.8 671.5 674.6 675.2	1.50 1.50 1.50 1.50	-1.50 -1.50 -1.50 -1.50	0.00 0.00 0.00 0.00
6,900.0	0.00	0.00	6,830.6	-487.8	466.9	675.2	0.00	0.00	0.00
6,928.4 Douglas Cre	0.00	0.00	6,859.0	-487.8	466.9	675.2	0.00	0.00	0.00
7,000.0 7,100.0 7,200.0 7,300.0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	6,930.6 7,030.6 7,130.6 7,230.6	-487.8 -487.8 -487.8 -487.8	466.9 466.9 466.9	675.2 675.2 675.2 675.2	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
7,400.0 7,500.0 7,600.0 7,623.4	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	7,330.6 7,430.6 7,530.6 7,554.0	-487.8 -487.8 -487.8 -487.8	466.9 466.9 466.9 466.9	675.2 675.2 675.2 675.2	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
Black Shale 7,700.0	0.00	0.00	7,630.6	-487.8	466.9	675.2	0.00	0.00	0.00
7,713.4	0.00	0.00	7,644.0	-487.8	466.9	675.2	0.00	0.00	0.00
7,800.0 7,900.0 8,000.0 8,100.0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	7,730.6 7,830.6 7,930.6 8,030.6	-487.8 -487.8 -487.8 -487.8	466.9 466.9 466.9	675.2 675.2 675.2 675.2	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
8,200.0 8,300.0 8,400.0 8,500.0 8,593.4	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	8,130.6 8,230.6 8,330.6 8,430.6 8,524.0	-487.8 -487.8 -487.8 -487.8 -487.8	466.9 466.9 466.9 466.9	675.2 675.2 675.2 675.2 675.2	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
Wasatch									
8,600.0 8,700.0 8,800.0 8,900.0 9,000.0	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	8,530.6 8,630.6 8,730.6 8,830.6 8,930.6	-487.8 -487.8 -487.8 -487.8 -487.8	466.9 466.9 466.9 466.9 466.9	675.2 675.2 675.2 675.2 675.2	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00

Bill Barrett Corp

Planning Report

Database: Compass

Company: **BILL BARRETT CORP** Project: **UINTAH COUNTY** Aurora 9-1D-7-19 Site: Well: Aurora 9-1D-7-19

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: **Survey Calculation Method:**

Site Aurora 9-1D-7-19 KB @ 4900.0ft (Original Well Elev) KB @ 4900.0ft (Original Well Elev) True

Minimum Curvature

Wellbore: Aurora 9-1D-7-19 Design: Design #1

ed Survey									
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(11)	(710011)	(/ 10011)	(710011)
9,100.0	0.00	0.00	9,030.6	-487.8	466.9	675.2	0.00	0.00	0.00
9,200.0	0.00	0.00	9,130.6	-487.8	466.9	675.2	0.00	0.00	0.00
9,300.0	0.00	0.00	9,230.6	-487.8	466.9	675.2	0.00	0.00	0.00
9,400.0	0.00	0.00	9,330.6	-487.8	466.9	675.2	0.00	0.00	0.00
9,500.0	0.00	0.00	9,430.6	-487.8	466.9	675.2	0.00	0.00	0.00
9,600.0	0.00	0.00	9,530.6	-487.8	466.9	675.2	0.00	0.00	0.00
9,700.0	0.00	0.00	9,630.6	-487.8	466.9	675.2	0.00	0.00	0.00
9,800.0	0.00	0.00	9,730.6	-487.8	466.9	675.2	0.00	0.00	0.00
9,900.0	0.00	0.00	9,830.6	-487.8	466.9	675.2	0.00	0.00	0.00
10,000.0	0.00	0.00	9,930.6	-487.8	466.9	675.2	0.00	0.00	0.00
10,100.0	0.00	0.00	10,030.6	-487.8	466.9	675.2	0.00	0.00	0.00
10,200.0	0.00	0.00	10,130.6	-487.8	466.9	675.2	0.00	0.00	0.00
10,300.0	0.00	0.00	10,230.6	-487.8	466.9	675.2	0.00	0.00	0.00
10,400.0	0.00	0.00	10,330.6	-487.8	466.9	675.2	0.00	0.00	0.00
10,500.0	0.00	0.00	10,430.6	-487.8	466.9	675.2	0.00	0.00	0.00
10,600.0	0.00	0.00	10,530.6	-487.8	466.9	675.2	0.00	0.00	0.00
10,700.0	0.00	0.00	10,630.6	-487.8	466.9	675.2	0.00	0.00	0.00
10,800.0	0.00	0.00	10,730.6	-487.8	466.9	675.2	0.00	0.00	0.00
10,900.0	0.00	0.00	10,830.6	-487.8	466.9	675.2	0.00	0.00	0.00
11,000.0	0.00	0.00	10,930.6	-487.8	466.9	675.2	0.00	0.00	0.00
11,093.4	0.00	0.00	11,024.0	-487.8	466.9	675.2	0.00	0.00	0.00
TD									

ıs					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,543.7	4,519.0	Green River		0.00	
5,646.9	5,594.0	Mahogany		0.00	
6,868.4	6,799.0	TGR3		0.00	
6,928.4	6,859.0	Douglas Creek		0.00	
7,623.4	7,554.0	Black Shale Facies		0.00	
7,713.4	7,644.0	Castle Peak		0.00	
8,593.4	8,524.0	Wasatch		0.00	
11,093.4	11,024.0	TD		0.00	

SURFACE USE AGREEMENT

(Aurora 9-1D-7-19 WELL)

THIS AGREEMENT	Dated December 16, 2011	by and between	
Robert W. Conrad			, whose address is
100010		, hereinafter referred to	as "Surface Owner",
5510 S. 300 W., Murray, UT 84107		and	
Bill Barrett Corporation	, whose address is	1099 18 th Street, #2300, Den	ver, CO 80202
hereinafter referred to as "Operator".			
WITNESSETH: WHEREAS, Surface Owner represents following described lands in Ui	that they are the owners in fee a	and in possession of the surface est Utah , hereinafter referred	ate for the to as "Lands", to wit:
A Tract of land lying in the NE/4SE/4 of smore fully described on Exhibit "A" attached	Section 1, Township 7 South, d hereto and made a part hereof	Range 19 East containing 3.892	acres, more or less and
WHEREAS, Operator has or wi	ll acquire certain leasehold in	terests in the oil and gas mineral Lands; and	estate in the Lands and

WHEREAS, Surface Owner is generally aware of the nature of the operations which may be conducted under oil and gas leases covering the mineral estate of the Lands; and

WHEREAS, the parties believe that it is in their mutual best interest to agree to the amount of damages to be assessed incident to the operations of Operator on the premises in the exploration for, development and production of oil, gas and/or other leasehold substances under the terms of those certain oil and gas leases now owned or which may be acquired by Operator covering portions of the mineral estate of the Lands; and,

WHEREAS, the parties believe that a reasonable estimate can be made of the damages which will result from the exploration, development and production operations contemplated by such oil and gas leases.

NOW, THEREFORE, in consideration of ten dollars and other valuable consideration, the sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Operator has the right of ingress and egress from the Parrish Ranch Road only and to the use of those portions of the Lands which it requires for oil and gas exploration, development and production operations, including tank batteries and other production facilities and the transportation of produced substances from the leasehold, and also the right to construct and use roads and pipelines across portions of the Lands, a tract of land lying in the NE/4SE/4 of Section 1, Township 7 South, Range 19 East containing 3.892 acres, more or less as described in Exhibit A. Operator shall pay Surface Owner as liquidated damages the following sum as full settlement and satisfaction of all damages growing out of, incident to, or in connection with the usual and customary exploration, drilling, completion, sidetracking, reworking, equipping and production operations, contemplated by the oil and gas leases covering the Lands, unless otherwise specifically provided herein:

2. Operator agrees to consult with the surface owner and/or tenant as to all routes of ingress and egress to the 9-1D-7-19 well pad. Prior to the construction of any roads, pipelines, tank battery installations, or installation of any other equipment on the leased premises, Operator shall consult with the surface owner and/or tenant as to the location and direction of same. Operator agrees to fence well pad, install a cattle guard at West access of well pad, and a pipeline access gate at the SW comer of the 9-1D-7-19 well pad. Temporary fencing will be maintained during construction to prevent encroachment to surface owners property.

- 3. It is the intention of the parties hereto to cause as little interference with farming operations on the leased premises as reasonably possible, including but specifically not limited to the operation of any pivotal irrigation sprinkler system, or any other irrigation method. If any circular irrigation sprinkler system is in use at the time of initial drilling operations on the leased premises, then any subsequent production equipment, including but specifically not limited to pump jacks, hydraulic lifting equipment, or any other equipment necessary to produce any oil or gas from such well, shall be recessed to such depths, or ramps constructed, so as to allow the continued use of such circular irrigation system.
- 4. In the event any well hereunder is plugged and abandoned, Operator agrees that Operator will, within a reasonable time, restore Surface Owner's surface estate as near as practical to its original condition found prior to Operator's operations. It is understood and agreed that Surface Owner may elect in writing, prior to cessation of operations of Operator, to have any road constructed under the terms of this Agreement remain upon the property, in which event Operator agrees to leave such road or roads in reasonable condition.
 - 5. Operator is responsible for acquiring all necessary permits, licenses, fees, etc. incident to its operations on the Lands.
- 6. In the event Surface Owner considers that Operator has not complied with all its obligations hereunder, both express and implied, Surface Owner shall notify Operator in writing, setting out specifically in what respects Operator has breached this contract. Operator shall then have sixty (60) days to meet or commence to meet all or any part of the breaches alleged by Surface Owner. The service of said notice shall be precedent to the bringing of any action by Surface Owner for any cause, and no such action shall be brought until the lapse of sixty (60) days after service of such notice on Operator. In the event of litigation, the prevailing party's reasonable attorney's fees will be paid by the opposing party.
- 7. Operator shall be responsible and shall remain liable for any environmental problems on the subject lands which are caused by or through its operations. To the extent that any such claims are asserted, Operator will be responsible for any remediation required as provided by state regulations. This assumption of liability, however, does not include any third-party operations on the subject lands or any Surface Owner actions which could cause environmental problems but is limited solely to the actions of Operator. Operator hereby indemnifies and holds harmless Surface Owner from any and all environmental problems it causes on the Lands.
- 8. In the event Surface Owner owns less than the entire fee interest in the Lands, then any payment stated herein shall be proportionately reduced to the interest owned.
- 9. This Agreement shall remain in full force and effect from the date hereof and for so long thereafter as Operator's oil and gas operations affecting the Lands are in effect.
- 10. When the word "Operator" is used in this Agreement, it shall also mean the successors and assigns of Operator, including but not limited to its employees and officers, agents, affiliates, contractors, subcontractors and/or purchasers.
 - 11. This Agreement shall be binding upon and inure to the benefit of the heirs, successors and assigns of the parties.

By: Robert W. Conrad	•
SS/Tax ID# <u>529-60-6653</u>	
STATE of Utah	ACKNOWLEDGEMENT-INDIVIDUAL
COUNTY of Uintah	
BEFORE ME, the undersigned, a Notary Public, in and for said County and State, on this day of	DECEMBES ,2011 ,
	, to me known to be the
BEFORE ME, the undersigned, a Notary Public, in and for said County and State, on this day of	, to me known to be the
BEFORE ME, the undersigned, a Notary Public, in and for said County and State, on this	, to me known to be the duly ity stated therein.

RIGHT-OF-WAY AGREEMENT

STATE OF UTAH }
COUNTY OF UINTAH }

Vaughn E. Parrish and Mary Ann Parrish whose address is HC 69 Box 305 Randlett, Utah 84063-9712

("GRANTOR"), the receipt and sufficiency of which is hereby acknowledge, does hereby grant to Aurora Gathering, LLC ("GRANTEE"), of 1099 18th Street, #2300, Denver, CO 80202, its successors or assigns, a right-of-way to construct, maintain and use a road for the purpose of drilling, operating and maintaining a well or wells for the production of the oil and/or gas, along with the right to lay, construct, maintain, alter, inspect, repair, replace, change the size of, operate, and remove a pipeline and from time to time add additional pipeline or multiple pipelines, drips, valves, electrical power lines, whether buried or overhead, cathodic equipment, and all appurtenances convenient for the maintenance and operation of said lines and for the transportation of oil, gas, produced water, or other substances therein, under, on, over and through the premises hereinafter described, and the Grantee is granted the right of ingress and egress, over and across said road and lands for any purpose necessary or incidental to the drilling, operating and maintaining a well or wells owned by Grantee.

The said right-of-way shall be located over and across the following described lands owned by the Grantor in **Uintah** County, State of Utah, to-wit:

Township 7 South, Range 19 East, SLM Section 1: Located in the SE/4NW/4, NE/4SW/4, and the NW/4SE/4 as further described on Exhibit "A" attached hereto and made a part hereof.

To have and to hold said easements, rights, and right-of-way unto the said Grantee, its successors and assigns.

All pipelines installed hereunder shall be buried where practical. Grantor shall not place anything over or so close to any pipeline, road, or other facility of Grantee as will be likely to interfere with Grantee's access thereto by use of equipment of means customarily employed in the maintenance of pipelines. Grantee to pay for all damage to growing crops, drainage tile and fences of Grantor arising out of the construction or repair of any of the pipelines, roads, and facilities herein authorized to be maintained and operated by Grantee. This easement shall not exceed Sixty (60') feet for construction and Fifty (50') feet for the permanent easement. Pipelines and disturbed ground, not in the permanent road easement, to be reseeded at recommended seeding rates per Surface Owner once cleanup is completed.

The foregoing sets out the entire agreement between Grantor and Grantee, and supersedes any prior oral or written agreements or negotiations not set out in writing herein or in the oil and gas lease covering the above described lands. No provisions of this agreement shall be modified, altered or waived except by written amendment executed by the parties or their representatives as set forth below. This agreement shall not act to modify or diminish operator's rights and privileges under any oil and gas leases owned by Operator covering all or any portion of the above described lands.

For the same consideration, the undersigned agree to account to any party who may be entitled to any portion of the aforementioned sum, and to indemnify and hold harmless **Aurora Gathering**, **LLC**, its successors and assigns, from any claim by any other party for damages to the above described lands and the improvements and crops and other things situated thereon.

Grantor shall be held harmless from any claim or demand made on the grounds of damage to property or injury to or death of persons, arising out of Grantee's exercise of the rights herein granted.

This agreement shall terminate within six (6) months after cessation of use by Grantee. Following completion of the road and installation of power line and pipelines, Grantee agrees to restore the surface of said land as nearly as is reasonably practical to its original condition.

This agreement shall be binding upon the successors and assigns of the parties hereto and shall be deemed to be a covenant running with the lands described above. However, any successor to Grantee's interest is obligated to notify surface owner of new ownership and provide to the surface owner viable contact information.

IN WITNESS WHEREOF, the GRANTOR and GRANTEE herein named have hereunto set their hand and seal this 17th day

of DECEMBER, 2011.

Vaughn E. Parrish

GRANTOR:

May Aun Mary Ayn Parrish

ACKNOWLEDGEMENT

County of Watar

JENNIEUR HALL Motary Subbridge State of Utah

BEFORE me, the undersigned, a solary Public in and for said County and State, on this 17 day of the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth.

Nota

Given under my hand and seal the day and year last above written.

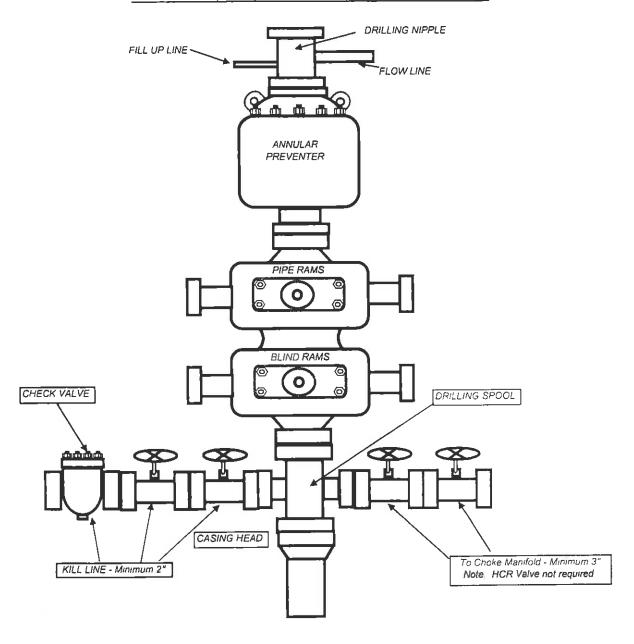
My Commission Expires: 1:03:2013

State of Utah State of State of

MARFER HALL
Maries Fublic - State of Utah
Mariesion No. 576904
Commission No. 576904
South The Mest Vernal Utah 84078

BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER





February 22, 2012

Utah Division of Oil, Gas and Mining Attention: Dustin Doucet 1594 West North Temple, Suite 1120 Salt Lake City, UT 84116

RE: Commingling Notice

Aurora Deep Unit
Aurora 9-1D-7-19
NESE Section 1 T78

NESE, Section 1 T7S-R19E

Uintah County, Utah

Dear Mr. Doucet,

Bill Barrett Corporation (BBC) has submitted Notices to commingle production from the Wasatch and Green River Formations in the subject well located in the Aurora Unit. There are no other parties to send notifications due to Bill Barrett Corporation owning 100% leasehold in the leases contiguous to the drilling unit.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

Venera Jargnaches Thomas J. Abell

Landman

1099 18TH STREET SUITE 2300 DENVER, CO 80202 P 303.293.9100 F 303.291.0420



AFFIDAVIT OF NOTICE

My name is Thomas J. Abell. I am a Landman with Bill Barrett Corporation (BBC). BBC has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the following well within the Aurora Unit:

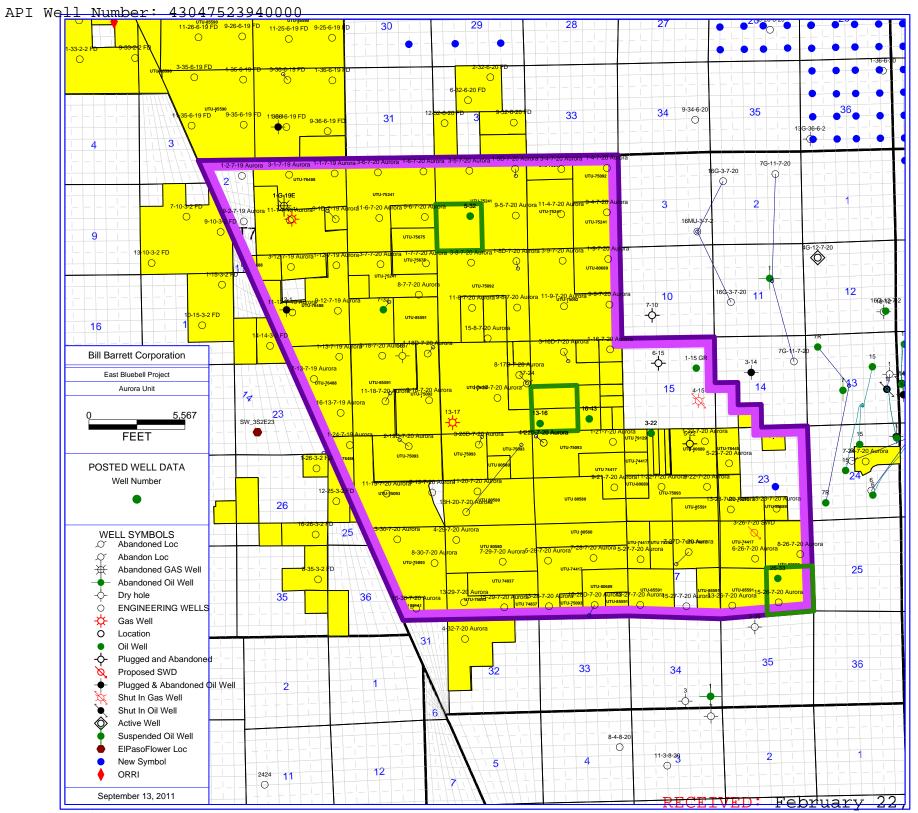
Aurora 9-1D-7-19 NESE Section 1 T7S-R19E

Bill Barrett Corporation owns 100% Leasehold in lands contiguous to drilling unit and therefore we did not notify any other parties.

Date: February 22, 2012 Affiant

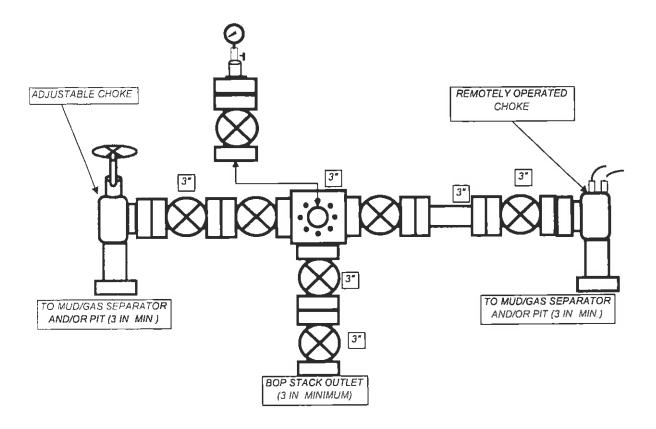
Thomas J. Abell

Landman



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD





February 22, 2012

Ms. Diana Mason – Petroleum Technician State of Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P. O. Box 145801 Salt Lake City, Utah 84114-5801

Re: Directional Drilling Aurora 9-1D-7-19

East Bluebell Area

Surface: 2475' FSL, 1125' FEL, NESE, 1-T7S-R19E SLM Bottom Hole: 1980' FSL, 660' FEL, NESE, 1-T7S-R19E SLM

Uintah County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Siting of Wells.

- The proposed location is within our East Bluebell Area within the Aurora (DEEP)
 Unit
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under The Corporation of the Presiding Bishop of the Church of Jesus Christ Latter-Day Saints, a Utah Corporation.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with EnCana and Forest Oil, we own 100% of the working interest in these lands.

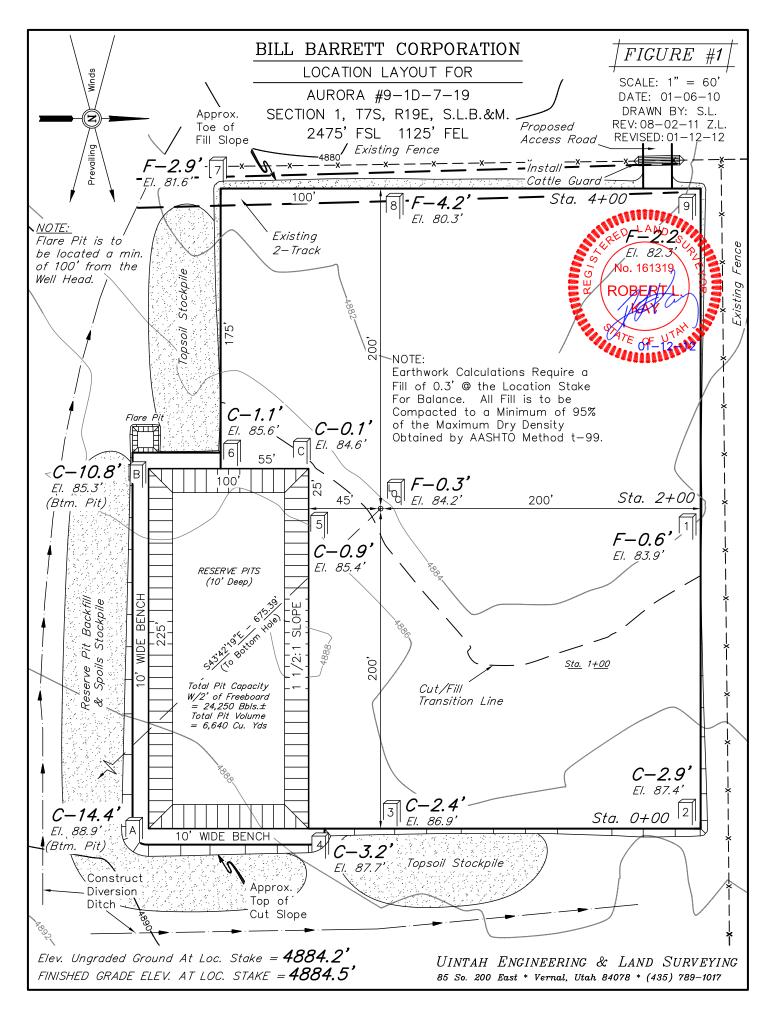
Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-299-9935.

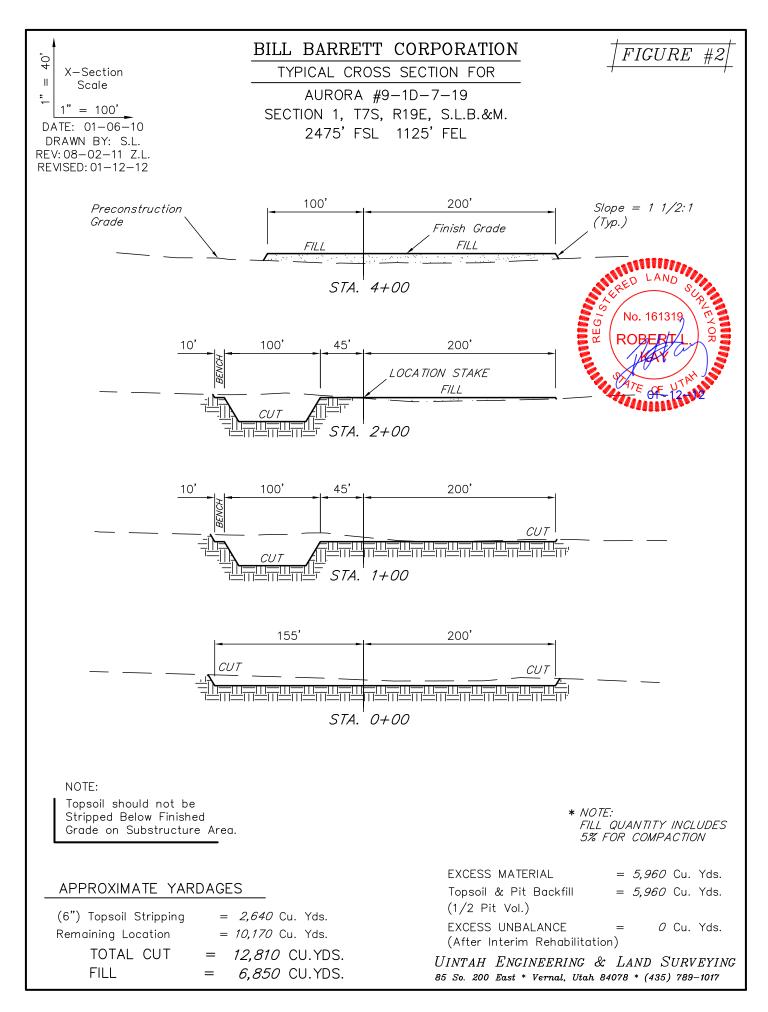
Sincerely,

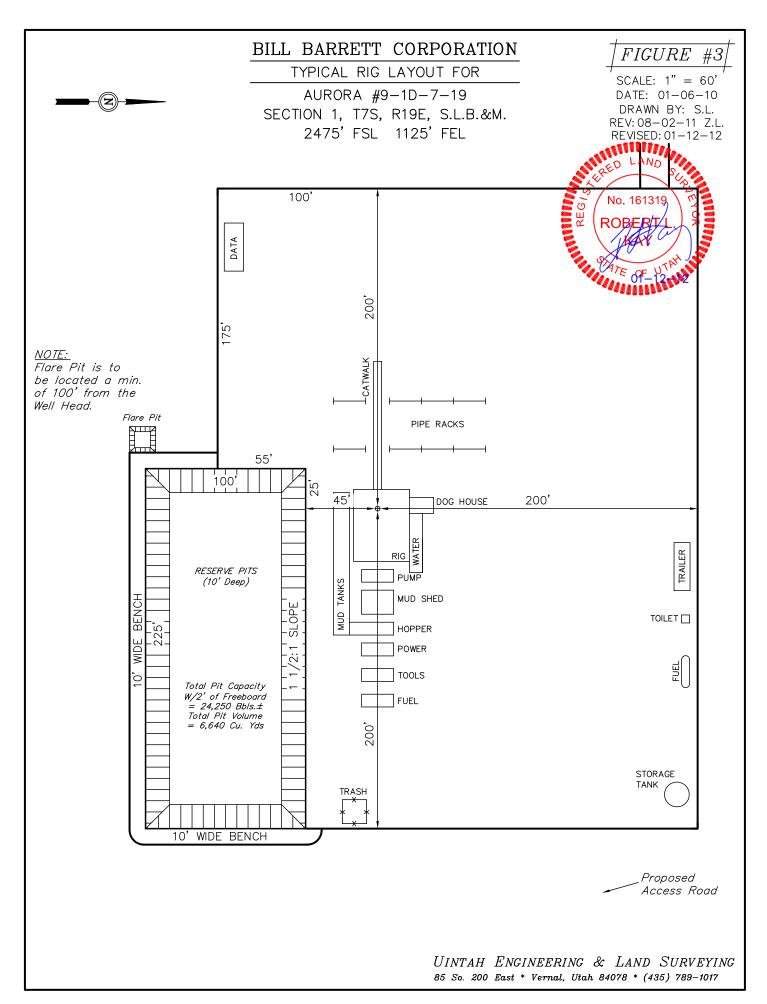
Thomas Abell

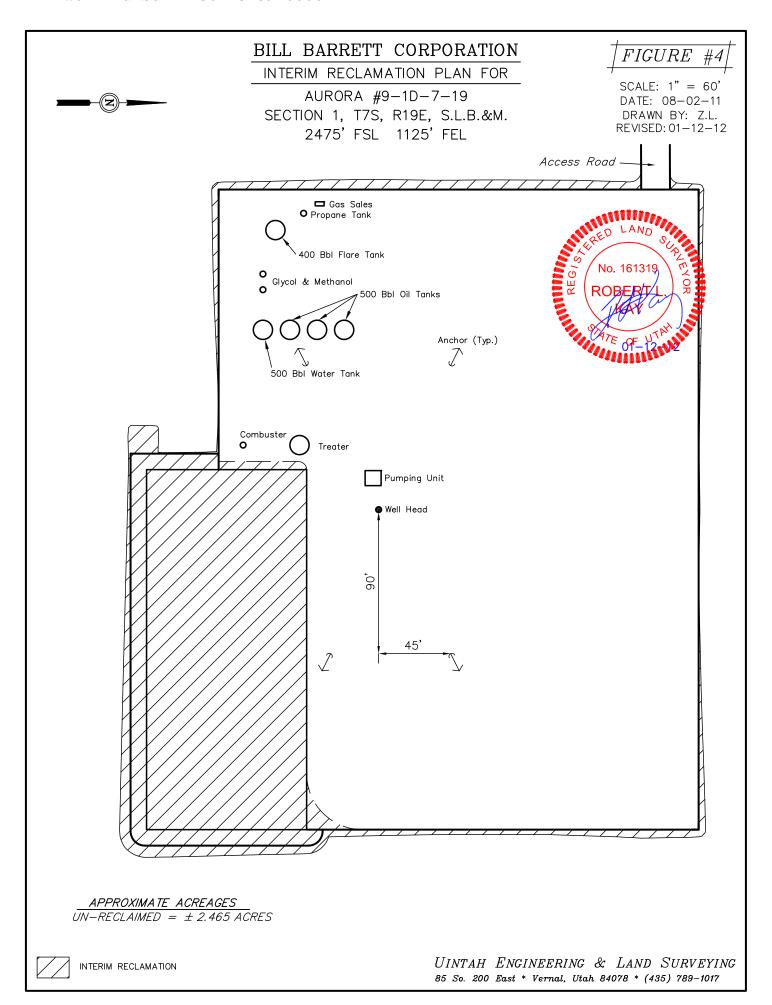
Landman

1099 18TH STREET SUITE 2300 DENVER, CO 80202 P 303.293.9100 F 303.291.0420









From: Venessa Langmacher «vlangmacher@billbarrettcorp.com>
To: "dianawhitney@utah.gov" <dianawhitney@utah.gov>

Date: 2/24/2012 8:44 AM **Subject:** FW: Aurora 9-1D-7-19

Attachments: 5346.pdf

Below is Encana's approval for the 9-1D-7-19. I will forward you Forest's approval as soon as we get it.

----Original Message-----

From: Tatham, Judene [mailto:JudeneMarie.Tatham@encana.com]

Sent: Thursday, February 23, 2012 3:40 PM

To: Tom Abell

Subject: FW: Aurora 9-1D-7-19

Importance: High

Tom,

Encana consents to the directional drilling of the Aurora 9-1D-7-19. Please advise how you intend to AFE this well based upon the directional drill.

Regards.

Judy Tatham Land Negotiator - North Piceance Encana Oil & Gas (USA) Inc. 370 17th Street, Suite 1700 Denver, CO 80202 720.876.5321 - Phone 720.876-6321 - Fax 303.263.7570 - Cell

Take a closer look www.encana.com

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

February 27, 2012

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 Plan of Development Aurora (Deep) Unit,

Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2012 within the Aurora (Deep) Unit, Uintah County, Utah.

API# WELL NAME LOCATION

(Proposed PZ GREEN RIVER-WASATCH)

43-047-52394 Aurora 9-1D-7-19 Sec 01 T07S R19E 2475 FSL 1125 FEL BHL Sec 01 T07S R19E 1980 FSL 0660 FEL

This office has no objection to permitting the well at this time.

bcc: File - Aurora Unit

Division of Oil Gas and Mining

Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:2-27-12

RECEIVED: February 28, 2012

Bill Barrett Corporation

COMPANY DETAILS: BILL BARRETT CORP

Calculation Method: Minimum Curvature

Error System: ISCWSA

Scan Method: Closest Approach 3D Error Surface: Elliptical Conic

Warning Method: Error Ratio

SITE DETAILS: Aurora 9-1D-7-19 East Bluebell

Site Latitude: 40° 14' 21.052 N Site Longitude: 109° 43' 30.360 W

Positional Uncertainity: 0.0 Convergence: 1.17 Local North: True

WELL DETAILS: Aurora 9-1D-7-19

4884.0 Ground Level:

Northing Easting +N/-S +E/-W Latittude Longitude 0.0 0.0 -29241.71 2495555.82 40° 14' 21.051 N 109° 43' 30.360 W

9-1D-7-19 TGR3

9-1D-7-19 PBHL

WELLBORE TARGET DETAILS (LAT/LONG)

+N/-S TVD +E/-W Latitude Longitude

109° 43' 24.341 W 9-1D-7-19 TGR3 6799.0 -487.8 466.9 40° 14' 16.231 N

1.50

0.00

180.00

0.00

9-1D-7-19 PBHL 40° 14' 16.231 N 109° 43' 24.341 W 11024.0 -487.8 466.9

675.2

675.2

Rectangle (Sides: L200.0 W200.0) Rectangle (Sides: L200.0 W200.0)

Slot

SECTION DETAILS

466.9

466.9

+N/-S +E/-W Sec MD Inc Azi TVD DLeg **TFace** VSec Target 0.0 0.00 0.00 0.0 0.0 0.0 0.00 0.00 0.0 3000.0 2 3000.0 0.00 0.0 0.00 0.00 0.0 0.0 0.00 3 3865.1 12.98 136.26 3857.8 -70.5 67.5 1.50 136.26 97.6 0.00 577.7 6003.2 12.98 136.26 5941.2 -417.4 399.4 0.00

-487.8

-487.8

FORMATION TOP DETAILS TVDPath **MDPath** Formation 4519.0 4543.7 Green River 5646.9 6868.4 Mahogany TGR3 5594.0 6799 0 6859.0 6928.4 Douglas Creek Black Shale Facies 7554.0 7623.4 7644.0 7713.4 Castle Peak Wasatch TD 8524 0 8593 4 11024.0 11093.4

CASING DETAILS

6799.0

11024.0

0.00

0.00

5

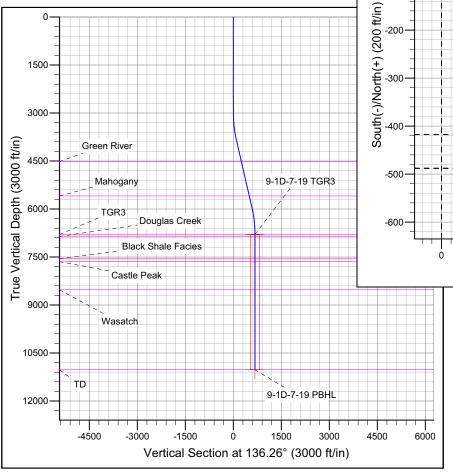
6868.4

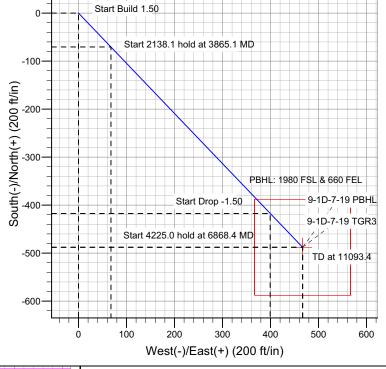
11093.4

0.00

0.00

No casing data is available





Т

Azimuths to True North Magnetic North: 11.12°

Magnetic Field Strength: 52362.3snT Dip Angle: 66.00° Date: 2/8/2012 Model: IGRF2010

From: Venessa Langmacher <vlangmacher@billbarrettcorp.com>

To: Diana Mason <dianawhitney@utah.gov>

Date: 2/28/2012 7:40 AM **Subject:** RE: Aurora 9-1D-7-19

We have also confirmed with Forest that they are in agreement with this well. This is the last consent that we were waiting for. In future letters I will have the land department add this comment. Are we good on this one?

Thanks,

Venessa Langmacher Senior Permit Analyst

BILL BARRETT CORPORATION 1099 18th Street | Suite 2300 Denver, CO 80202 D 303.312.8172 | F 303.291.0420 vlangmacher@billbarrettcorp.com www.billbarrettcorp.com

----Original Message-----

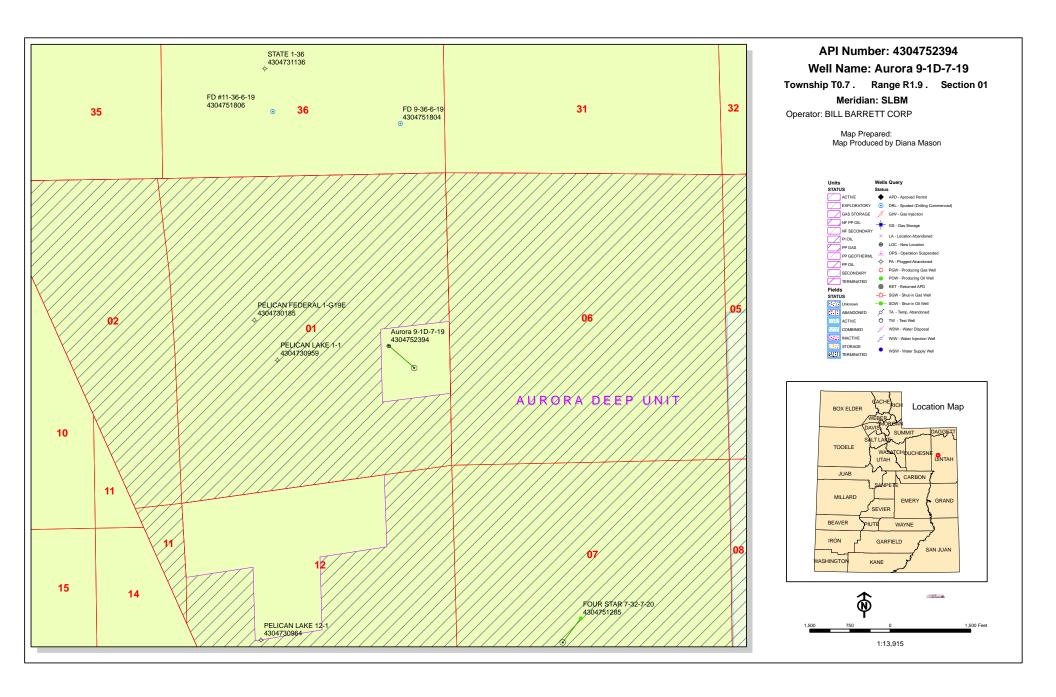
From: Diana Mason [mailto:dianawhitney@utah.gov]

Sent: Thursday, February 23, 2012 8:35 AM

To: Venessa Langmacher Subject: Aurora 9-1D-7-19

Hi Venessa,

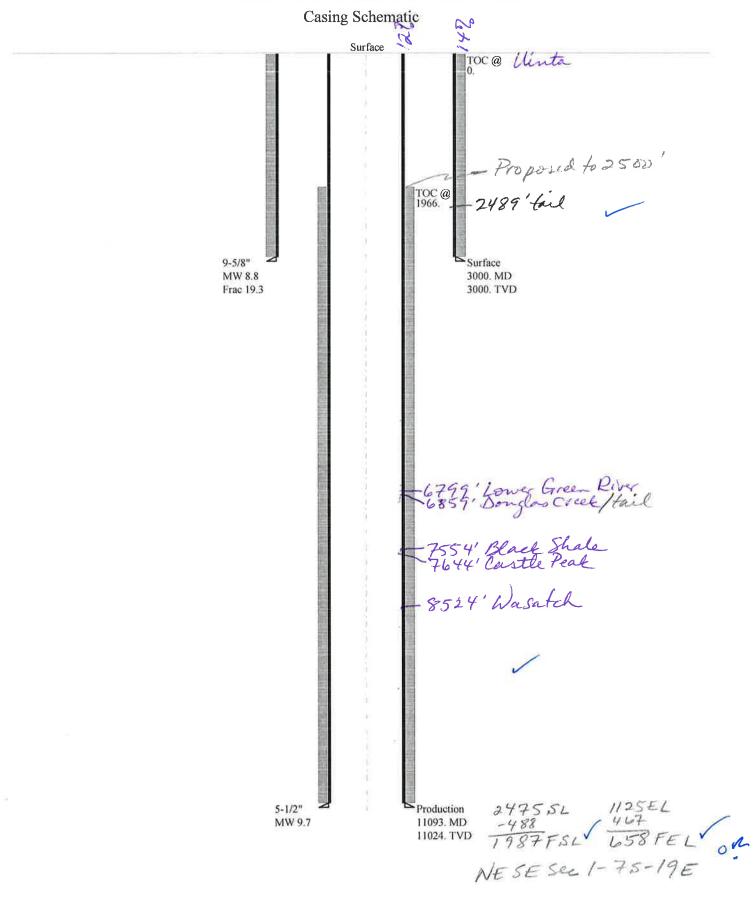
See my comments in the attached letter.



BOPE REVIEW BILL BARRETT CORP Aurora 9-1D-7-19 43047523940000

Well Name	BILL BARRETT CORP Aurora 9-1D-7-19 4304752			394	0000			
String		Cond	Surf	Prod	i		Ī	
Casing Size(")		16.000	9.625	5.500	i		<u></u>	
Setting Depth (TVD)		80	3000	11024	i		<u></u>	
Previous Shoe Setting Dept	h (TVD)	0	80	3000	i		1	
Max Mud Weight (ppg)		8.8	8.8	9.7	i		1	
BOPE Proposed (psi)		0	500	5000	i		1	
Casing Internal Yield (psi)		1000	3520	10640	i		1	
Operators Max Anticipated Pressure (psi)		5560		9.7	i		1	
Coloniations		C 1 S4	•			16.000	<u></u>	
Calculations Max BHP (psi)		Cond String .052*Setting Depth*MW=						
Max BIII (psi)			132 Setting L	ocptii W w =	3	7	BOPE Ade	quate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)		Max BH	P-(0.12*Setti	ing Depth)=	2	7	NO I	quarter for 21 ming 11 nd Setting Custing at 2 cptm.
MASP (Gas/Mud) (psi)			P-(0.22*Setti		1		NO I	
, ,					ľ÷	3	1	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Previous Sh	noe Depth)=	T1	9	NO I	
Required Casing/BOPE Tes	st Pressure=				8	0	psi	
*Max Pressure Allowed @	Previous Casing	Shoe=			0		psi *Ass	umes 1psi/ft frac gradient
					-			
Calculations		Surf Stri			Ļ	9.625	"	
Max BHP (psi)		.0	052*Setting D	Depth*MW=	1	373	PODE A I	The Delling And Setting Coding of Death 2
MASP (Gas) (psi)		May RH	P-(0.12*Setti	ing Denth)-	F			quate For Drilling And Setting Casing at Depth?
MASP (Gas/Mud) (psi)			P-(0.22*Setti		H	013	NO	
WASI (Gas/Muu) (psi)		мах вп	F-(0.22 Sett)	ing Deptin)=	<u> 7</u>	13	*Con Full	No expected pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Previous Sh	noe Depth)=	7	31	NO I	Expected 11essure Be field it 11evious Bloci
Required Casing/BOPE Tes				<u> </u>	H	464	psi	
*Max Pressure Allowed @ :		Shoe=			8			umes 1psi/ft frac gradient
					ΙΙΞ	0	<u> </u>	. 0
Calculations		Prod Str	ing			5.500	"	
Max BHP (psi)		.0	52*Setting D	Depth*MW=	5	561		
MASD (C) ()		M DII	D (0.12*C-44	D(h.)	Ļ			quate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)			P-(0.12*Setti		H	238	YES	
MASP (Gas/Mud) (psi)		мах вн	P-(0.22*Setti	ing Depth)=	3	136	*Con Full	OK Engaged Draggura Ra Hald At Dragging Shap?
Pressure At Previous Shoe	Max BHP- 22*(S	etting Denth	- Previous Sh	noe Denth)=	F	796		Expected Pressure Be Held At Previous Shoe?
Required Casing/BOPE Tes		etting Deptin	110,1040,51	oc Bepin,	H		psi	OK
*Max Pressure Allowed @		Shoe-			H	000		umes 1psi/ft frac gradient
mua i ressure mioweu e	Trevious cusing				3	000	P31 7133	unies 1ps//it frue gruntent
Calculations		String					"	
Max BHP (psi)		.0	52*Setting D	Depth*MW=				
							BOPE Ade	quate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)			P-(0.12*Setti		L		NO	
MASP (Gas/Mud) (psi)		Max BH	P-(0.22*Setti	ing Depth)=	L		NO	
Duranus AA D. C. C.	M DHD 22*/2	auto B	Decent C1	D. (1)	F			Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe		etting Depth	- Previous Sh	ioe Depth)=	Ŀ		NO .	
Required Casing/BOPE Tes		a.			L		psi	
*Max Pressure Allowed @ Previous Casing Shoe=				Ш		psi *Ass	umes 1psi/ft frac gradient	

43047523940000 Aurora 9-1D-7-19



Well name:

43047523940000 Aurora 9-1D-7-19

Operator:

BERRY PETROLEUM COMPANY

String type:

Surface

Project ID:

43-047-52394

Location:

UINTAH COUNTY

Minimum design factors: **Environment:**

Collapse: Collapse

Mud weight: 8.800 ppg Design is based on evacuated pipe.

H2S considered?

1.80 (J)

1.70 (J)

1.60 (J)

No 74 °F Surface temperature: Design factor 1.125 Bottom hole temperature:

116 °F 1.40 °F/100ft Temperature gradient:

Minimum section length: 100 ft

Burst:

1.00 Design factor

Cement top:

Surface

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient:

Calculated BHP

Design parameters:

2,640 psi 0.120 psi/ft

3,000 psi

Tension:

8 Round STC: 8 Round LTC:

Buttress: Premium:

1.50 (J) Body yield: 1.50 (B)

Tension is based on air weight. 2,609 ft Neutral point:

Re subsequent strings:

Non-directional string.

Next setting depth:

11,024 ft Next mud weight: 9.700 ppg Next setting BHP: 5,555 psi

Fracture mud wt: Fracture depth: Injection pressure: 19.250 ppg 3,000 ft 3,000 psi

End True Vert Measured Drift Est. Segment Nominal Run Depth Diameter Cost Weight Grade **Finish** Depth Seq Length Size (ft) (\$) (ft) (in) (lbs/ft) (ft) (in) 26552 3000 3000 1 3000 9.625 36.00 J-55 **Buttress** 8.796 **Tension Tension Tension** Run Collapse Collapse Collapse Burst Burst Burst Load Strength Design Load Strength Design Seq Load Strength Design (psi) **Factor** (kips) (kips) **Factor** (psi) **Factor** (psi) (psi) 3520 108 564 5.22 B 2020 1.473 3000 1.17 1 1371

Prepared

by:

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: May 30,2012 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 3000 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

43047523940000 Aurora 9-1D-7-19

Operator:

BERRY PETROLEUM COMPANY

Production

Project ID:

String type:

43-047-52394

Location:

UINTAH COUNTY

Minimum design factors: **Environment:**

Collapse

Mud weight:

Collapse:

H2S considered?

No 74 °F

9.700 ppg Design is based on evacuated pipe.

Design factor 1.125 Surface temperature: Bottom hole temperature:

228 °F 1.40 °F/100ft

Temperature gradient: Minimum section length: 1,000 ft

Burst:

Design factor

1.00 Cement top: 1.966 ft

Burst

Max anticipated surface

pressure: Internal gradient: Calculated BHP

Design parameters:

3,130 psi 0.220 psi/ft

5,555 psi

Tension:

8 Round STC: 1.80 (J) 8 Round LTC: 1.80 (J) Buttress: 1.60 (J)

Premium: Body yield: 1.50 (J) 1.60 (B) Directional well information:

3000 ft Kick-off point Departure at shoe: 675 ft Maximum dogleg: 1.5 °/100ft

Inclination at shoe:

0 °

No backup mud specified:

Tension is based on air weight.

Neutral point:

9,472 ft

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.
Seq	Length (ft)	Size (in)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Cost (\$)
1	11093	5.5	17.00	P-110	LT&C	11024	11093	4.767	73067
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (kips)	Strength (kips)	Design Factor
1	5555	7480	1.347	5555	10640	1.92	187.4	445	2.37 J

Prepared

by:

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

Phone: 801 538-5357

FAX: 801-359-3940

Date: May 30,2012 Salt Lake City, Utah

Collapse is based on a vertical depth of 11024 ft, a mud weight of 9.7 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator **BILL BARRETT CORP** Well Name Aurora 9-1D-7-19

API Number 43047523940000 APD No 5346 Field/Unit WILDCAT

Location: 1/4,1/4 NESE Sec 1 Tw 7.0S Rng 19.0E 2475 FSL 1125 FEL **GPS Coord (UTM)** 608386 4455082 Surface Owner Robert W. Conrad

Participants

Kary Eldredge and Zack Gardner (Bill Barrett), Robert Conrad (surface owner), Don Hamilton (Starpoint), Amy Ackman (Montgomery Arch), Brandon Bowthorpe (UELS), Derris Jones (EIS)

Regional/Local Setting & Topography

This location sits approximately 3 miles north west of Pelican Lake and about 1/2 miles south west of the Ouray Park canal. The area of the location slopes slightly to the north west, but the land here is generally quite flat and is used for livestock grazing. Drainage is toward the Ouray Park Canal.

Surface Use Plan

Current Surface Use

Grazing

New Road **Src Const Material** Well Pad **Surface Formation** Miles

0.55 Width 300 Length 385 Onsite **UNTA**

Ancillary Facilities N

The west side of the location must be shortened by 15 feet to avoid covering irrigation pipeline right of way.

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Rabbits, prairie dogs, coyotes, robents, raptors

Sage, greasewood, sparse grasses, prickly pear

Soil Type and Characteristics

Sandy clay loam

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? Y

RECEIVED: June 11, 2012

Small diversions planned around the south and east sides of location

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? N Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources? N

Reserve Pit

Site-Specific Factors	Site Ran	king	
Distance to Groundwater (feet)	100 to 200	5	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	Mod permeability	10	
Fluid Type	TDS>5000 and	10	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)	10 to 20	5	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	30	1 Sensitivity Level

Characteristics / Requirements

the reserse pit will be 225ft by 100ft by 10ft deep and will be placed in a cut stable location. BBC typically uses either a 16 or 20 mil liner. Either will be adequate for this pit.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

Other Observations / Comments

Richard Powell 3/14/2012

Evaluator Date / Time

RECEIVED: June 11, 2012

API Well Number: 43047523940000

Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner CBM
5346	43047523940000	LOCKED	OW	P No
Operator	BILL BARRETT CORP		Surface Owner-APD	Robert W. Conrad
Well Name	Aurora 9-1D-7-19		Unit	AURORA (DEEP)
Field	WILDCAT		Type of Work	DRILL
Location	NESE 1 7S 19E S	2475 FSL	1125 FEL GPS Coord	
Location	(UTM) 608384E 44550)22N		

Geologic Statement of Basis

Bill Barrett proposes to set 80 feet of conductor and 3,000 feet of surface pipe, cemented to surface. The conductor and surface hole will be drilled with fresh water mud. The depth to the base of the moderately saline water at this location is estimated to be at approximately 1,000 feet. A search of Division of Water Rights records shows 1 water well within a 10,000 foot radius of the proposed location. This well is more than 1 1/2 mile from the proposed location with a depth of 16 feet. The well is listed for domestic use and probably produces from alluvial sediments.. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Wells in the alluvial sediments are probably a more significant source of ground water. The proposed casing and cement should adequately protect any useable ground water.

Brad Hill 4/2/2012 **APD Evaluator Date / Time**

Surface Statement of Basis

The proposed well is on fee surface and has fee minerals. The surface owner Robert Conrad attended the prestite and expressed several concerns but also stated that Bill Barrett Corporation had been cooperative with him and that he was satisfied with the placement of the well. Mr. Conrad made it clear that he expects the location to be fenced and a cattle guard put in place. Mr. Kary Eldredge of Bill Barrett Corp discussed bringing electricity to the site and Mr. Conrad expressed that he was against power coming from the east. Mr. Conrad stated that the electricity lines have already been agreed to come along the well access but he stated that he would be willing to renegotiate the power line route.

There is a irrigation pipe along the west side of the location and the location must shortened by 15 ft to avoid the pipeline. Kary Eldrege agreed to assure this is done. This appears to be a good location for placement of this well.

Richard Powell 3/14/2012
Onsite Evaluator Date / Time

Conditions of Approval / Application for Permit to Drill

Category Condition

Pits A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed

and maintained in the reserve pit.

Surface The reserve pit shall be fenced upon completion of drilling operations.

RECEIVED: June 11, 2012

Surface Drainages adjacent to the proposed pad shall be diverted around the location.

Surface The west side of location must be shortened by at least 15 ft to avoid irrigation pipeline.

Surface The well site shall be bermed to prevent fluids from leaving the pad.

RECEIVED: June 11, 2012

API Well Number: 43047523940000

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 2/22/2012 **API NO. ASSIGNED:** 43047523940000

WELL NAME: Aurora 9-1D-7-19

OPERATOR: BILL BARRETT CORP (N2165) **PHONE NUMBER:** 303 312-8172

CONTACT: Venessa Langmacher

PROPOSED LOCATION: NESE 01 070S 190E Permit Tech Review:

✓

SURFACE: 2475 FSL 1125 FEL Engineering Review:

BOTTOM: 1980 FSL 0660 FEL Geology Review:

COUNTY: UINTAH

LATITUDE: 40.23863 LONGITUDE: -109.72584
EASTINGS: 608384.00 NORTHINGS: 4455022.00

UTM SURF EASTINGS: 608384.00
FIELD NAME: WILDCAT

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 4 - Fee COALBED METHANE: NO

RECEIVED AND/OR REVIEWED: LOCATION AND SITING:

▶ PLAT R649-2-3.

Potash R649-3-2. General

Oil Shale 190-5

Oil Shale 190-3 R649-3-3. Exception

Oil Shale 190-13 Prilling Unit

✓ Water Permit: 43-180 Board Cause No: R649-3-11

RDCC Review: Effective Date:

✓ Fee Surface Agreement Siting:

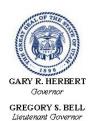
✓ Intent to Commingle
✓ R649-3-11. Directional Drill

Commingling Approved

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill

15 - Directional - dmason 23 - Spacing - dmason



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Aurora 9-1D-7-19 **API Well Number:** 43047523940000

Lease Number: Fee

Surface Owner: FEE (PRIVATE)
Approval Date: 6/11/2012

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well - contact Carol Daniels OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
 - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 office
- Dustin Doucet 801-538-5281 office

801-733-0983 - after office hours

• Dan Jarvis 801-538-5338 - office

801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
 - Requests to Change Plans (Form 9) due prior to implementation
 - Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
 - Report of Water Encountered (Form 7) due within 30 days after completion
- \bullet Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas

	STATE OF UTAH		FORM 9	
ι	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	3	5.LEASE DESIGNATION AND SERIAL NUMBER: Fee	
SUNDR	Y NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME: AURORA (DEEP)			
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Aurora 9-1D-7-19			
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43047523940000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300		ONE NUMBER: 312-8164 Ext	9. FIELD and POOL or WILDCAT: WILDCAT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2475 FSL 1125 FEL			COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NESE Section: 0	IIP, RANGE, MERIDIAN: 1 Township: 07.0S Range: 19.0E Meridian:	S	STATE: UTAH	
11. CHECI	CAPPROPRIATE BOXES TO INDICATE N	IATURE OF NOTICE, REPOR	t, OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
7	ACIDIZE	ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME	
7/17/2012	☐ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION	
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK	
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL	
DRILLING REPORT	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION	
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:	
40 DECODINE DRODOCED OR			<u> </u>	
l .	COMPLETED OPERATIONS. Clearly show all pe mingling approval for the Wasat		Approved by the	
	e subject well. The comminglin		Utah Division of	
	sly submitted with the APD on		Oil, Gas and Mining	
			Date: August 14, 2012	
			By: Dalk Quit	
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE		
Venessa Langmacher	303 312-8172	Senior Permit Analyst		
SIGNATURE N/A		DATE 7/16/2012		

Sundry Number: 28720 API Well Number: 43047523940000

	FORM 9		
,	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: Fee
SUNDR	RY NOTICES AND REPORTS O	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL forn	7.UNIT or CA AGREEMENT NAME: AURORA (DEEP)		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: Aurora 9-1D-7-19
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43047523940000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300		PHONE NUMBER: 03 312-8164 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2475 FSL 1125 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NESE Section: 0	HIP, RANGE, MERIDIAN: 1 Township: 07.0S Range: 19.0E Meridia	an: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
8/10/2012	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	U TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:
BBC requests to sh the TD change, the	COMPLETED OPERATIONS. Clearly show all norten the TD of this well to 9 e 9-5/8" surface casing would casing and cementing progra	380' and as a result of I be set at 1500'. See	Approved by the Utah Division of Oil, Gas and Mining
			Date: August 15, 2012
			By: Dark Wunt
NAME (PLEASE PRINT)	PHONE NUMBE		
Venessa Langmacher SIGNATURE	303 312-8172	Senior Permit Analyst DATE	
N/A		8/8/2012	

Sundry Number: 28720 API Well Number: 43047523940000

Hole	SETTING	G DEPTH	Casing	Casing	Casing		
Size	(FROM)	(TO)	Size	Weight	Grade	Thread	Condition
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1,500'	9 5/8"	36#	J or K 55	BT&C	New
8 3/4"	Surface	TD	5 ½"	17#	P-110	LT&C	New
NOTE: In addition, 8 3/4" hole size may change to 7 7/8" at the point the bit is changed out.							

Casing	Cementing
16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead with approximately 190 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. Top of lead estimated at surface.
	Tail with approximately 210 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess. Top of tail estimated at 1,000'.
5 ½" Production Casing	Lead with approximately 1000 sx Tuned Light cement with additives, mixed at 11.0 ppg (yield = 2.31 ft ³ /sx,) . Top of lead estimated at 1,000°.
	Tail with approximately 630 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of tail estimated at 7,054°.

Carol Daniels - Spud Notice: Aurora 9-1D-7-19 (43-047-52394) 5-01 To 7.5 R 19 E

From:

Venessa Langmacher <vlangmacher@billbarrettcorp.com>

To:

"dennisingram@utah.gov" <dennisingram@utah.gov>, "richardpowell@utah.gov...

Date:

8/15/2012 10:53 AM

Subject: Spud Notice: Aurora 9-1D-7-19 (43-047-52394)

CC:

Tracey Fallang < tfallang@billbarrettcorp.com>, Venessa Langmacher < vlang...

Please take this as notice that Triple A Drilling plans to spud the Aurora 9-1D-7-19 on Friday, August 17th at 8:00 am.

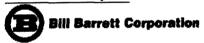
Thanks.

Venessa Langmacher Senior Permit Analyst

BILL BARRETT CORPORATION

1099 18th Street | Suite 2300 Denver, CO 80202 D 303.312.8172 | F 303.291.0420 vlangmacher@billbarrettcorp.com

www.billbarrettcorp.com



RECEIVED AUG 1 5 2012

DIV. OF OIL, GAS & MINING

Sundry Number: 29511 API Well Number: 43047523940000

	STATE OF UTAH	FORM 9			
1	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: Fee		
SUNDR	Y NOTICES AND REPORTS O	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME: AURORA (DEEP)				
1. TYPE OF WELL Oil Well	1. TYPE OF WELL				
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43047523940000		
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300		PHONE NUMBER: 03 312-8164 Ext	9. FIELD and POOL or WILDCAT: WILDCAT		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2475 FSL 1125 FEL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NESE Section: 0	IIP, RANGE, MERIDIAN: 1 Township: 07.0S Range: 19.0E Meridia	nn: S	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICATI	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE [ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
SUBSEQUENT REPORT	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
Date of Work Completion:	L DEEPEN L	FRACTURE TREAT	☐ NEW CONSTRUCTION		
	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK		
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
8/31/2012	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON		
DRILLING REPORT	L TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
	WILDCAT WELL DETERMINATION	OTHER	OTHER:		
This well was sp	completed operations. Clearly show aloud on 8/31/2012 by Triple A	Drilling at 8:00 am.	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 05, 2012		
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBE 303 312-8172	R TITLE Senior Permit Analyst			
SIGNATURE N/A		DATE 9/4/2012			

Sundry Number: 29542 API Well Number: 43047523940000

STATE OF UTAH			FORM 9			
ı	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ		5.LEASE DESIGNATION AND SERIAL NUMBER: Fee			
SUNDR	Y NOTICES AND REPORTS OF	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME: AURORA (DEEP)					
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: AURORA 9-1D-7-19					
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43047523940000			
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300		HONE NUMBER: 3 312-8164 Ext	9. FIELD and POOL or WILDCAT: WILDCAT			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2475 FSL 1125 FEL			COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSH	tip, RANGE, MERIDIAN: 1 Township: 07.0S Range: 19.0E Meridian	: S	STATE: UTAH			
11. CHECI	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	T, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	ACIDIZE	ALTER CASING	CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION			
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK			
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON			
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL			
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
8/31/2012	WILDCAT WELL DETERMINATION	OTHER	OTHER:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Well spud 8/31/2012; no other August 2012 monthly drilling activity to report. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 07, 2012						
Megan Finnegan	303 299-9949	Permit Analyst				
SIGNATURE N/A		DATE 9/4/2012				



BLM - Vernal Field Office - Notification Form

Ope	rator Bill Barrett Corporation	Rig Name/# HP	319
	mitted By <u>JET LORENZEN</u>		
Well	Name/Number AURORA 9	-1D-7-19	
	Qtr <u>NE/SE</u> Section 1		Range 19E
Leas	se Serial Number <u>FEE</u>	•	
API	Number <u>43-047-52394</u>		
C	daler o trut ini		
	<u>d Notice</u> – Spud is the initial	al spudding of the w	ell, not drilling
out	below a casing string.		
	Date/Time	AM [РМ
time	ng – Please report time ca	sing run starts, not o	cementing
7	Surface Casing		RECEIVED
	Surface Casing Intermediate Casing Production Casing Liner Other		
	Production Casing		SEP 1 8 2812
	Liner		DIV. OF OIL, GAS & MINING
	Other		
	Date/Time <u>09/15/2012</u>	10:00 AM ✓	РМ 🔲
	-	_	_
ROP	<u> </u>		
BOP ✓	Initial BOPE test at surface	<u> </u>	
H	BOPE test at intermediate	e casing point	
	30 day BOPE test Other		
	Outlet ,		
	Date/Time <u>09/16/2012</u>	02:00 AM ✓	РМ 🗌
Rem	arko		
CCIT	arks		

STATE OF UTAH **DEPARTMENT OF NATURAL RESOURCES** DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM

Operator:

Bill Barrett Corporation

Operator Account Number: N 2165

1099 18th Street, Suite 2300

Address:

city Denver

state CO

zip 80202

Phone Number: (303) 312-8172

Well 1

API Number	Well	Name	QQ	Sec	Twp	Rng	County
4304752394	Aurora 9-1D-7-19		NESE	1	78	19E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Α	New	18706	8	3/31/201:	2	912	0 13013

Spudding Operation was conducted by Triple A Drilling @ 8:00 am.

GR-WS

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number			Spud Date		Entity Assignment Effective Date	
Comments:					19 to to .		

Well 3

API Number	Well Name Current Entity New Entity Number Number				Twp	Rng County		
Action Code					Entity Assignment Effective Date			
Comments:								

ACTION CODES:

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section) RECEIVED

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

9/4/2012

Title

Date

SEP 0 6 2012



BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# H&P 319					
Submitted By Glenn Randel	Phone Num	ber <u>970-</u>	623-7078		
Well Name/Number Aurora 9-1D-					
Qtr/Qtr NE/SE Section 1	Township 79	<u>s</u> R	ange <u>19E</u>		
Lease Serial Number Fee					
API Number <u>43-047-52394</u>	· · · · · · · · · · · · · · · · · · ·				
Spud Notice – Spud is the initia out below a casing string.	l spudding of	the wel	l, not drilling		
Date/Time		AM 🗌	РМ		
Casing — Please report time castimes. Surface Casing Intermediate Casing Production Casing Liner Other	ing run start	s, not ce	ementing		
Date/Time <u>9/24/12</u>	20:00	АМ 🗌	PM 🔀		
BOPE Initial BOPE test at surface BOPE test at intermediate 30 day BOPE test Other					
Date/Time		AM 🗌	РМ		
Remarks					

					_
	STATE OF UTAH			FORM	9
ı	DEPARTMENT OF NATURAL RESOU DIVISION OF OIL, GAS, AND M		6	5.LEASE DESIGNATION AND SERIAL NUMBE Fee	R:
SUNDR	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	_		
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	posals to drill new wells, significant reenter plugged wells, or to drill hori n for such proposals.	ly deep zontal l	en existing wells below laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: AURORA (DEEP)	_
1. TYPE OF WELL Oil Well				8. WELL NAME and NUMBER: AURORA 9-1D-7-19	_
2. NAME OF OPERATOR: BILL BARRETT CORP				9. API NUMBER: 43047523940000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300	, Denver, CO, 80202		NE NUMBER: 312-8164 Ext	9. FIELD and POOL or WILDCAT: WILDCAT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2475 FSL 1125 FEL				COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NESE Section: 0	IIP, RANGE, MERIDIAN: 1 Township: 07.0S Range: 19.0E Me	ridian: S	3	STATE: UTAH	
11. CHECI	K APPROPRIATE BOXES TO INDIC	ATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION		
	ACIDIZE		ALTER CASING	CASING REPAIR	
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME	
Approximate date work will start:	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ F	FRACTURE TREAT	NEW CONSTRUCTION	
Date of Work Completion.	OPERATOR CHANGE	F	PLUG AND ABANDON	PLUG BACK	
	PRODUCTION START OR RESUME	☐ F	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR		/ENT OR FLARE	WATER DISPOSAL	
✓ DRILLING REPORT	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION	
Report Date:	WILDCAT WELL DETERMINATION		OTHER	OTHER:	
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly sho	w all ne	rtinent details including dates.	denths, volumes, etc.	_
				Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 05, 2012	
NAME (PLEASE PRINT) Megan Finnegan	PHONE NUI 303 299-9949	/IBER	TITLE Permit Analyst		
SIGNATURE N/A			DATE 10/2/2012		



	23940000		State/Provinc	County	Field Nam Aurora	e Well Status COMPLETION	Total Depth (ftKB) Primary Job Type 9,410.0 Drilling & Completion		
ime Lo					TAGIOIA	OOMI ELTION	3,410.0 Dinning & Completion		
art Time		End Time		Catego			Com		
6:00		18:00	1	RIGUP & TEARDON		WOC over night. Drill rathole and	d mousehole.		
8:00		06:00	1	RIGUP & TEARDOV		RDMO Triple A Drilling			
	-7-19 Au			2012 18:00 - 9					
PI/UWI 304752	23940000	8	State/Provinc	ce County	Field Nam Aurora	e Well Status COMPLETION	Total Depth (ftKB) Primary Job Type 9,410.0 Drilling & Completion		
ime Lo	og			,	'	•			
tart Time 8:00		End Time	Code 1	Catego RIGUP & TEARDON		WO DAY LIGHT	Com		
			<u> </u>						
	-7-19 Au			2012 06:00 - 9			Trulput (WD)		
9/UWI 304752	23940000	1	State/Provinc	ce County	Field Nam Aurora	e Well Status COMPLETION	Total Depth (ftKB) Primary Job Type 9,410.0 Drilling & Completion		
ime Lo		<u> </u>		l	7.10.0.0		,		
tart Time		End Time	Code	Catego	•		Com		
6:00	14.00	20:00	1	RIGUP & TEARDOV	WN	RIG DN MOVE 28 MILES, RIG U RESPOOLING NEW DRLG LINE	JP. BACK YARD RIGED UP. SUB STACKED.		
0:00	10.00	06:00	1	RIGUP & TEARDOV	WN	WO DAY LIGHT			
	-7-19 Au			2012 06:00 - 9					
9/UWI	-7-19 Au		State/Province		Field Nam		Total Depth (ftKB) Primary Job Type		
	23940000		Jiate/F1UVINC	County	Aurora	COMPLETION	9,410.0 Drilling & Completion		
ime Lo				,	<u>'</u>				
tart Time 6:00		End Time	Code	Catego RIGUP & TEARDOV		I OAD FLOOD DIT DEDDION	Com ON FLOOR, RELEASE TRUCKS @ 14:00 HR. RIG		
0.00	10.00	16.00	['	RIGUP & TEARDON	/VIN	UP ROTARY TOOLS.	ON FLOOR, RELEASE TROCKS @ 14.00 HR. RIG		
6:00	2.00	18:00	14	NIPPLE UP B.O.P		NIPPLE UP CONDUCTOR.			
8:00		20:00	6	TRIPS		P/U BHA OREINTATE MWD			
0:00		06:00	2	DRILL ACTUAL		DRLG 12 1/4" HOLE F/ 104' TO	1506' (1402'		
						IN 10 HR = 140 FPH) SLIDE: 22	2' IN .25 HR = 88 FPH, ROTATE: 1380' IN 9.75 HR =		
						141.5 FPH. MM 8" HUNTING 7/8 BTB.	3 LOBE 2.5 STAGE .07 GPR 1.5 FIXED BEND 8.26		
	<u> </u>				- . .				
	-7-19 Au			2012 06:00 - 9					
PI/UWI	20040000		State/Province			a IM/all Ctatus	Total Depth (ftKB) Primary Job Type		
30/1752			State/F10VIIIC	ce County	Field Nam				
			State/Provinc	ce County	Field Nam Aurora	COMPLETION	9,410.0 Drilling & Completion		
ime Lo	g	End Time		Catego	Aurora				
Time Lo Start Time 06:00	Dur (hr) 0.25	06:15		Catego DRILL ACTUAL	Aurora	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO	9,410.0 Drilling & Completion Com D 1536'		
Time Lo Start Time 06:00	Dur (hr) 0.25		Code	Catego	Aurora	DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE	9,410.0 Drilling & Completion		
tart Time 6:00 6:15	Dur (hr) 0.25 1.25	06:15 07:30	Code 2	Catego DRILL ACTUAL COND MUD & CIRC	Aurora	DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS.	9,410.0 Drilling & Completion Com D 1536'		
itart Time 6:00 6:15 7:30	Dur (hr) 0.25 1.25	06:15 07:30 08:45	Code 2 5 6	Catego DRILL ACTUAL COND MUD & CIRC	Aurora	DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200'	9,410.0 Drilling & Completion Com D 1536'		
Start Time 16:00 16:15 17:30	Dur (hr) 0.25 1.25 1.25	06:15 07:30 08:45 09:45	Code 2 5 5 6 5 5	Catego DRILL ACTUAL COND MUD & CIRC TRIPS COND MUD & CIRC	Aurora	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200' CIRC. COND F/ CASING	9,410.0 Drilling & Completion Com D 1536'		
1304752 Fime Lo Start Time 106:00 106:15 107:30 108:45 109:45	Dur (hr) 0.25 1.25 1.25 1.00 2.25	06:15 07:30 08:45 09:45 12:00	Code 2 5 6 5 6	Catego DRILL ACTUAL COND MUD & CIRC TRIPS COND MUD & CIRC TRIPS	Aurora	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200' CIRC. COND F/ CASING TOOH L/D BHA	9,410.0 Drilling & Completion Com D 1536' SEPS. LOTS OF BIG ROCK COMING ACROSS		
ime Lo start Time 16:00 16:15 17:30 18:45 19:45	Dur (hr) 0.25 1.25 1.25 1.00 2.25	06:15 07:30 08:45 09:45	Code 2 5 5 6 5 5	Catego DRILL ACTUAL COND MUD & CIRC TRIPS COND MUD & CIRC	Aurora	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200' CIRC. COND F/ CASING TOOH L/D BHA HSM, RIG UP KIMMZEY CASING	9,410.0 Drilling & Completion Com D 1536' EPS. LOTS OF BIG ROCK COMING ACROSS G AND RUN CASING.FS (1.42'), SHOE JT (44.23), FO		
ime Lo start Time 16:00 16:15 17:30 18:45 19:45	Dur (hr) 0.25 1.25 1.25 1.00 2.25	06:15 07:30 08:45 09:45 12:00	Code 2 5 6 5 6	Catego DRILL ACTUAL COND MUD & CIRC TRIPS COND MUD & CIRC TRIPS	Aurora	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200' CIRC. COND F/ CASING TOOH L/D BHA HSM, RIG UP KIMMZEY CASING	9,410.0 Drilling & Completion Com D 1536' EPS. LOTS OF BIG ROCK COMING ACROSS G AND RUN CASING.FS (1.42'), SHOE JT (44.23), FG		
ime Lo Start Time 16:00 16:15 17:30 18:45 19:45 2:00	Dur (hr) 0.25 1.25 1.25 1.00 2.25 2.00	06:15 07:30 08:45 09:45 12:00	Code 2 5 6 5 6	Catego DRILL ACTUAL COND MUD & CIRC TRIPS COND MUD & CIRC TRIPS	Aurora	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200' CIRC. COND F/ CASING TOOH L/D BHA HSM, RIG UP KIMMZEY CASINI (1.00'), 34 JTS 9 5/8" 36# J55 ST	G AND RUN CASING.FS (1.42'), SHOE JT (44.23), FOR CASING.MADE UP W/ BESTOLIFE DOPE TO DED @ 1527' W/ FC 1480'.		
Start Time Lo Start Time 16:00 16:15 17:30 18:45 19:45 2:00 4:00	Dur (hr) 0.25 1.25 1.25 1.00 2.25 2.00	06:15 07:30 08:45 09:45 12:00 14:00	Code 2 5 5 6 5 6 12	Catego DRILL ACTUAL COND MUD & CIRC TRIPS COND MUD & CIRC TRIPS RUN CASING & CE	Aurora	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200' CIRC. COND F/ CASING TOOH L/D BHA HSM, RIG UP KIMMZEY CASINI (1.00'), 34 JTS 9 5/8" 36# J55 ST 3940 FT/ LB OF TORQUE. LAN CIRC. W/ RIG PUMP, HSM W/ F	G AND RUN CASING.FS (1.42'), SHOE JT (44.23), FOR CASING.MADE UP W/ BESTOLIFE DOPE TO DED @ 1527' W/ FC 1480'.		
Start Time 106:00 06:15 07:30 08:45	Dur (hr) 0.25 1.25 1.25 1.00 2.25 2.00	06:15 07:30 08:45 09:45 12:00 14:00	Code 2 5 5 6 5 6 12 5	Catego DRILL ACTUAL COND MUD & CIRC TRIPS COND MUD & CIRC TRIPS RUN CASING & CE COND MUD & CIRC	Aurora	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200' CIRC. COND F/ CASING TOOH L/D BHA HSM, RIG UP KIMMZEY CASING (1.00'), 34 JTS 9 5/8" 36# J55 ST 3940 FT/ LB OF TORQUE. LAN CIRC. W/ RIG PUMP, HSM W/ F SWAP HES AND CEMENT. 20 E SKS HALCHEM 11# 3.16 YEILD	9,410.0 Drilling & Completion Com D 1536' EPS. LOTS OF BIG ROCK COMING ACROSS G AND RUN CASING.FS (1.42'), SHOE JT (44.23), FOR CASING.MADE UP W/ BESTOLIFE DOPE TO DED @ 1527' W/ FC 1480'. HES. BLS H2O, 40 BLS SUPER FLUSH, 20 BL H2O, 200 DW/ 5LB SILACALITE, .125 LB POLY-E-FLAKE, .25		
ime Lo start Time 6:00 6:15 7:30 8:45 9:45 2:00 4:00	Dur (hr) 0.25 1.25 1.25 1.00 2.25 2.00	06:15 07:30 08:45 09:45 12:00 14:00	Code 2 5 5 6 5 6 12 5	Catego DRILL ACTUAL COND MUD & CIRC TRIPS COND MUD & CIRC TRIPS RUN CASING & CE COND MUD & CIRC	Aurora	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200' CIRC. COND F/ CASING TOOH L/D BHA HSM, RIG UP KIMMZEY CASINI (1.00'), 34 JTS 9 5/8" 36# J55 ST 3940 FT/ LB OF TORQUE. LAN CIRC. W/ RIG PUMP, HSM W/ F SWAP HES AND CEMENT. 20 E SKS HALCHEM 11# 3.16 YEILD KWIK SEAL, TAILED W/ 235 SK	9,410.0 Drilling & Completion Com D 1536' EPS. LOTS OF BIG ROCK COMING ACROSS G AND RUN CASING.FS (1.42'), SHOE JT (44.23), FG EC CASING.MADE UP W/ BESTOLIFE DOPE TO DED @ 1527' W/ FC 1480'. HES. BLS H2O, 40 BLS SUPER FLUSH, 20 BL H2O, 200 D W/ 5LB SILACALITE, .125 LB POLY-E-FLAKE, .25 IS PREMIUM PLUS TYPE III 14.8# 1.33 YEILD		
ime Lo tart Time 6:00 6:15 7:30 8:45 9:45 2:00 4:00	Dur (hr) 0.25 1.25 1.25 1.00 2.25 2.00	06:15 07:30 08:45 09:45 12:00 14:00	Code 2 5 5 6 5 6 12 5	Catego DRILL ACTUAL COND MUD & CIRC TRIPS COND MUD & CIRC TRIPS RUN CASING & CE COND MUD & CIRC	Aurora	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200' CIRC. COND F/ CASING TOOH L/D BHA HSM, RIG UP KIMMZEY CASINI (1.00'), 34 JTS 9 5/8" 36# J55 ST 3940 FT/ LB OF TORQUE. LAN CIRC. W/ RIG PUMP, HSM W/ F SWAP HES AND CEMENT. 20 E SKS HALCHEM 11# 3.16 YEILD KWIK SEAL, TAILED W/ 235 SK	G AND RUN CASING.FS (1.42'), SHOE JT (44.23), FO (1.42'), SHOE JT (44.23), FO (1.42') W/ FC 1480'. HES. BLS H2O, 40 BLS SUPER FLUSH, 20 BL H2O, 200 DW/ 5LB SILACALITE, .125 LB POLY-E-FLAKE, .25 S PREMIUM PLUS TYPE III 14.8# 1.33 YEILD PLACED W/ 114 BLS H2O. PLUG LANDED, FLOATS		
ime Lo tart Time 6:00 6:15 7:30 8:45 9:45 2:00 4:00 5:00	Dur (hr) 0.25 1.25 1.25 1.00 2.25 2.00 1.00	06:15 07:30 08:45 09:45 12:00 14:00 15:00	Code 2 5 6 5 6 12 5 12	Catego DRILL ACTUAL COND MUD & CIRC TRIPS COND MUD & CIRC TRIPS RUN CASING & CE COND MUD & CIRC RUN CASING & CE	Aurora	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200' CIRC. COND F/ CASING TOOH L/D BHA HSM, RIG UP KIMMZEY CASING (1.00'), 34 JTS 9 5/8" 36# J55 ST 3940 FT/ LB OF TORQUE. LAN CIRC. W/ RIG PUMP, HSM W/ F SWAP HES AND CEMENT. 20 E SKS HALCHEM 11# 3.16 YEILD KWIK SEAL, TAILED W/ 235 SK W/ .125LB POLY-E-FLAKE, DISI HELD. 44 BLS CEMENT TO SUI	9,410.0 Drilling & Completion Com D 1536' GEPS. LOTS OF BIG ROCK COMING ACROSS G AND RUN CASING.FS (1.42'), SHOE JT (44.23), FG EC CASING.MADE UP W/ BESTOLIFE DOPE TO DED @ 1527' W/ FC 1480'. HES. BLS H2O, 40 BLS SUPER FLUSH, 20 BL H2O, 200 DW/ 5LB SILACALITE, .125 LB POLY-E-FLAKE, .25 IS PREMIUM PLUS TYPE III 14.8# 1.33 YEILD PLACED W/ 114 BLS H2O. PLUG LANDED, FLOATS RFACE.		
ime Lo tart Time 6:00 6:15 7:30 8:45 9:45 2:00 4:00 5:00	Dur (hr) 0.25 1.25 1.25 1.00 2.25 2.00 1.00 0.50	06:15 07:30 08:45 09:45 12:00 14:00 15:00 17:00	Code 2 5 5 6 5 6 12 5 12	Catego DRILL ACTUAL COND MUD & CIRC TRIPS COND MUD & CIRC TRIPS RUN CASING & CE COND MUD & CIRC RUN CASING & CE	Aurora Ty C MENT	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200' CIRC. COND F/ CASING TOOH L/D BHA HSM, RIG UP KIMMZEY CASINO (1.00'), 34 JTS 9 5/8" 36# J55 ST 3940 FT/ LB OF TORQUE. LAN CIRC. W/ RIG PUMP, HSM W/ F SWAP HES AND CEMENT. 20 E SKS HALCHEM 11# 3.16 YEILD KWIK SEAL, TAILED W/ 235 SK W/ .125LB POLY-E-FLAKE, DISHELD. 44 BLS CEMENT TO SUITEST CASING TO 1500# F/ 30 N	9,410.0 Drilling & Completion Com D 1536' GEPS. LOTS OF BIG ROCK COMING ACROSS G AND RUN CASING.FS (1.42'), SHOE JT (44.23), FG EC CASING.MADE UP W/ BESTOLIFE DOPE TO DED @ 1527' W/ FC 1480'. HES. BLS H2O, 40 BLS SUPER FLUSH, 20 BL H2O, 200 DW/ 5LB SILACALITE, .125 LB POLY-E-FLAKE, .25 IS PREMIUM PLUS TYPE III 14.8# 1.33 YEILD PLACED W/ 114 BLS H2O. PLUG LANDED, FLOATS RFACE.		
7:00 7:30 7:00 7:00 7:00	Dur (hr) 0.25 1.25 1.25 1.00 2.25 2.00 1.00 2.00 0.50 3.25	06:15 07:30 08:45 09:45 12:00 14:00 15:00 17:00	Code 2 5 5 6 5 6 12 5 12 15 13	Catego DRILL ACTUAL COND MUD & CIRC TRIPS COND MUD & CIRC TRIPS RUN CASING & CE COND MUD & CIRC RUN CASING & CE	Aurora Ty C MENT	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200' CIRC. COND F/ CASING TOOH L/D BHA HSM, RIG UP KIMMZEY CASINI (1.00'), 34 JTS 9 5/8" 36# J55 ST 3940 FT/ LB OF TORQUE. LAN CIRC. W/ RIG PUMP, HSM W/ F SWAP HES AND CEMENT. 20 E SKS HALCHEM 11# 3.16 YEILD KWIK SEAL, TAILED W/ 235 SK W/ .125LB POLY-E-FLAKE, DISI HELD. 44 BLS CEMENT TO SUF	Com Com D 1536' GEPS. LOTS OF BIG ROCK COMING ACROSS G AND RUN CASING.FS (1.42'), SHOE JT (44.23), FOR CASING.MADE UP W/ BESTOLIFE DOPE TO DED @ 1527' W/ FC 1480'. HES. BLS H2O, 40 BLS SUPER FLUSH, 20 BL H2O, 200 D W/ 5LB SILACALITE, .125 LB POLY-E-FLAKE, .25 IS PREMIUM PLUS TYPE III 14.8# 1.33 YEILD PLACED W/ 114 BLS H2O. PLUG LANDED, FLOATS RFACE. MINS.		
7:00 7:30 7:00 7:00 7:00 7:00 7:00 7:00	Dur (hr) 0.25 1.25 1.25 1.00 2.25 2.00 1.00 2.00 0.50 3.25 2.50	06:15 07:30 08:45 09:45 12:00 14:00 15:00 17:00 17:30 20:45 23:15	Code 2 5 5 6 5 6 12 5 12 15 13 14	Catego DRILL ACTUAL COND MUD & CIRC TRIPS COND MUD & CIRC TRIPS RUN CASING & CE COND MUD & CIRC RUN CASING & CE TEST B.O.P WAIT ON CEMENT NIPPLE UP B.O.P	Aurora Ty C MENT	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200' CIRC. COND F/ CASING TOOH L/D BHA HSM, RIG UP KIMMZEY CASINI (1.00'), 34 JTS 9 5/8" 36# J55 ST 3940 FT/ LB OF TORQUE. LAN CIRC. W/ RIG PUMP, HSM W/ F SWAP HES AND CEMENT. 20 E SKS HALCHEM 11# 3.16 YEILE KWIK SEAL, TAILED W/ 235 SK W/ .125LB POLY-E-FLAKE, DISI HELD. 44 BLS CEMENT TO SUITEST CASING TO 1500# F/ 30 N WOC. WELD ON WELL HEAD TEST T	Com Com D 1536' GEPS. LOTS OF BIG ROCK COMING ACROSS G AND RUN CASING.FS (1.42'), SHOE JT (44.23), FOR CASING.MADE UP W/ BESTOLIFE DOPE TO DED @ 1527' W/ FC 1480'. HES. BLS H2O, 40 BLS SUPER FLUSH, 20 BL H2O, 200 DW/ 5LB SILACALITE, .125 LB POLY-E-FLAKE, .25 IS PREMIUM PLUS TYPE III 14.8# 1.33 YEILD PLACED W/ 114 BLS H2O. PLUG LANDED, FLOATS RFACE. MINS.		
7:00 7:30 7:30 8:45 9:45 2:00 7:30 6:15	Dur (hr) 0.25 1.25 1.25 1.00 2.25 2.00 1.00 2.00 0.50 3.25 2.50 1.50	06:15 07:30 08:45 09:45 12:00 14:00 15:00 17:00 17:30 20:45 23:15 00:45	Code 2 5 5 6 5 6 12 5 12 15 13 14 14 14	Catego DRILL ACTUAL COND MUD & CIRC TRIPS COND MUD & CIRC TRIPS RUN CASING & CE COND MUD & CIRC RUN CASING & CE TEST B.O.P WAIT ON CEMENT NIPPLE UP B.O.P	Aurora Ty C MENT	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200' CIRC. COND F/ CASING TOOH L/D BHA HSM, RIG UP KIMMZEY CASING (1.00'), 34 JTS 9 5/8" 36# J55 ST 3940 FT/ LB OF TORQUE. LAN CIRC. W/ RIG PUMP, HSM W/ FSWAP HES AND CEMENT. 20 ESKS HALCHEM 11# 3.16 YEILE KWIK SEAL, TAILED W/ 235 SK W/ .125LB POLY-E-FLAKE, DISI HELD. 44 BLS CEMENT TO SUITEST CASING TO 1500# F/ 30 N WOC. WELD ON WELL HEAD TEST T	Com Com D 1536' GEPS. LOTS OF BIG ROCK COMING ACROSS G AND RUN CASING.FS (1.42'), SHOE JT (44.23), FOR CASING.MADE UP W/ BESTOLIFE DOPE TO DED @ 1527' W/ FC 1480'. HES. BLS H2O, 40 BLS SUPER FLUSH, 20 BL H2O, 200 D W/ 5LB SILACALITE, .125 LB POLY-E-FLAKE, .25 S PREMIUM PLUS TYPE III 14.8# 1.33 YEILD PLACED W/ 114 BLS H2O. PLUG LANDED, FLOATS RFACE. MINS. O 1000# F/ 10 MINS		
ime Lo start Time 6:00 6:15 7:30 8:45 9:45 2:00 4:00	Dur (hr) 0.25 1.25 1.25 1.00 2.25 2.00 1.00 2.00 0.50 3.25 2.50 1.50	06:15 07:30 08:45 09:45 12:00 14:00 15:00 17:00 17:30 20:45 23:15	Code 2 5 5 6 5 6 12 5 12 15 13 14	Catego DRILL ACTUAL COND MUD & CIRC TRIPS COND MUD & CIRC TRIPS RUN CASING & CE COND MUD & CIRC RUN CASING & CE TEST B.O.P WAIT ON CEMENT NIPPLE UP B.O.P	Aurora Ty C MENT	COMPLETION DRLG 12 1/4" HOLE F/ 1506' TO CIRC PUMP 2 HI VIS LCM SWE SHAKERS. SHORT TRIP TO 200' CIRC. COND F/ CASING TOOH L/D BHA HSM, RIG UP KIMMZEY CASING (1.00'), 34 JTS 9 5/8" 36# J55 ST 3940 FT/ LB OF TORQUE. LAN CIRC. W/ RIG PUMP, HSM W/ FSWAP HES AND CEMENT. 20 ESKS HALCHEM 11# 3.16 YEILE KWIK SEAL, TAILED W/ 235 SK W/ .125LB POLY-E-FLAKE, DISI HELD. 44 BLS CEMENT TO SUITEST CASING TO 1500# F/ 30 N WOC. WELD ON WELL HEAD TEST T	Com Com D 1536' GEPS. LOTS OF BIG ROCK COMING ACROSS G AND RUN CASING.FS (1.42'), SHOE JT (44.23), FOR CASING.MADE UP W/ BESTOLIFE DOPE TO DED @ 1527' W/ FC 1480'. HES. BLS H2O, 40 BLS SUPER FLUSH, 20 BL H2O, 200 DW/ 5LB SILACALITE, .125 LB POLY-E-FLAKE, .25 IS PREMIUM PLUS TYPE III 14.8# 1.33 YEILD PLACED W/ 114 BLS H2O. PLUG LANDED, FLOATS RFACE. MINS. O 1000# F/ 10 MINS		

Ві	II	Barrett	Corporation
Time Log			

Time Lo	Dur (hr)	End Time	e Code	Cate	anny	Com
04:30		06:00	6	TRIPS	gory	PICK UP BHAS AND TIH
	7-19 Au		0/16/	2012 06:00 -	0/17/2012	06:00
API/UWI	I-13 Au		State/Provinc		IField Name	
	3940000		State, 1 To	5 000,	Aurora	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Time Lo						
Start Time	Dur (hr)	End Time		Cate	gory	Com
06:00 06:30		06:30 07:15	6	TRIPS		TIH, DILL OUT SHOE TRACK
06:30		07:15	21	OPEN		DRLG 10', CIRC BOTTOMS UP, EMW 168 PSI @ 1545' = 10.5.
07:15 07:45		16:45	22	DRILL ACTUAL		DRLG 10', CIRC BOTTOMS OP, EMW 168 PSI @ 1545' = 10.5. DRLG F/ 1536' TO 2837' (1301' IN 9 HR = 144.6 FPH) SLIDE: 104' IN 1.75 HR = 59.4
07.45	9.00	10.40	2	DRILL ACTUAL		FPH, ROTATE: 1197' IN 7.25 HR = 165.1 FPH. MM6 3/4" SPERRY DRILL 7/8 LOBE 3.3 STAGE .14 GPR 1.5 FIXED BEND 4.9 BTB.
16:45	0.50	17:15	7	LUBRICATE RIG		RIG SERVICE
17:15	12.75	06:00	2	DRILL ACTUAL		DRLG F/ 2837' TO 4251' (1414' IN 12.75 HR = 110.9 FPH) SLIDE: 58' IN 1.25 HR = 46.4 FPH, ROTATE: 1356' IN 11.5 HR = 117.9* FPH. WE ARE 28' HIGH, 16' LEFT OF PLAN.
	7-19 Au	rora	9/17/2	2012 06:00 -	9/18/2012	06:00
API/UWI	:222		State/Provinc	ce County	Field Name	1 1 ()
4304752 Time Lo	3940000				Aurora	COMPLETION 9,410.0 Drilling & Completion
Start Time	Dur (hr)	End Time	e Code	Cate	egory	Com
06:00		17:00	2	DRILL ACTUAL	301,	DRLG F/ 4251' TO 4722' (471' IN 11 HR = 42.8 FPH) SLIDE:81' IN 4.75 HR = 17 FPH ROTATE: 309' IN 6.25 HR = 49.44 FPH. MM6 3/4" SPERRY DRILL 7/8 LOBE 3.3 STAGE .14 GPR 1.5 FIXED BEND 4.9 BTB. LARGE CHUNKS OF SHALE COMING OVER SHAKER.
17:00	0.50	17:30	7	LUBRICATE RIG		RIG SERVICE
17:30	4.75	22:15	2	DRILL ACTUAL		DRLG F/ 4722' TO 4910' (188' IN 4.75 HR = 39.6 FPH) SLIDE:43' IN 2.5 HR = 17.2 FPH, ROTATE: 145' IN 2.25 HR = 64.4 FPH. HAVING TO SLIDE. 25' FT ON EVERY STD. TO CONTOROL.SWITHING TO LSD MUD. RAISE WT TO9.6 VIS TO 38.
22:15	0.50	22:45	5	COND MUD & CIF	₹C	CIRC. PUMP DRY SLUG
22:45	7.25	06:00	6	TRIPS		TOOH,TIGHT F3330' TO 3290', X OBIT, TIH, WASH REAM BRIDGES F/ 2400' TO 4910'.
9-1D-	7-19 Au	rora	9/18/2	2012 06:00 -	9/19/2012	06:00
API/UWI	204000		State/Provinc	ce County	Field Name	
4304752 Time Lo	3940000				Aurora	COMPLETION 9,410.0 Drilling & Completion
Start Time	Dur (hr)	End Time	e Code	Cate	gory	Com
06:00		16:45	2	DRILL ACTUAL		DRLG 8 3/4" HOLE F/ 4910' TO 5382' (472' IN 10.75 HR = 43.9 FPH) SLIDE: 135' IN 4.5 HR = 30 FPH. MM6 3/4" SPERRY DRILL 7/8 LOBE 3.3 STAGE .14 GPR 1.5 FIXED BEND 4.9 BTB.
16:45		17:15	7	LUBRICATE RIG		RIG SERVICE
17:15		18:00	20	DIRECTIONAL W	ORK	TROUBLE SHOOT MWD
18:00	2.25	20:15	2	DRILL ACTUAL		DRLFG F/ 5382' TO 5477' (95' IN 2.25 HR = 42.2 FPH) SLIDE: 40' IN 1.25 HR = 32 FPH, ROTATE : 54' IN 1.25 HR = 43.2 FPH. SLIDING 40' OUT 96 TO HOLD ANGLE.
20:15	1.00	21:15	20	DIRECTIONAL W	ORK	WO MWD.
21:15	8.75	06:00	2	DRILL ACTUAL		DRLG F/ 5477' TO 5885' (408' IN 8.75 HR = 46.6 FPH) SLIDE: 50' IN 2.25 HR = 22.2 FPH, ROTATE: 358' IN 6.5 HR = 55.1 FPH). 31.42 LEFT AND 23.76 BELOW PLAN.
	7-19 Au			2012 06:00 -		
API/UWI 4304752	3940000		State/Provinc	County	Field Name Aurora	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Time Lo	<u> </u>					
Start Time	Dur (hr)	End Time		Cate	gory	Com
06:00 07:00		07:00 07:30	2	DRILL ACTUAL		ROTATE DRILL 8 3/4 HOLE 5885-5948'. ROP 63 FPH. SLIDE DRILL 8 3/4 HOLE 5948-5960'. ROP 24 FPH.
		09:15	2	DRILL ACTUAL		ROTATE DRILL 8 3/4 HOLE 5946-5960 . ROP 24 FPH.
07.00		1	2			
07:30	0.05					
07:30 09:15 09:30		09:30 10:30	20	DRILL ACTUAL	ORK	TROUBLESHOOT & RECTIFY MWD COMMS PROBLEM. SLIDE DRILL 8 3/4 HOLE 6042-6062'. ROP 20 FPH.

B	Bill	Barrett	Corporation
---	------	---------	-------------

Time Lo	g				
Start Time	Dur (hr)	End Time	Code	Catego	ory Com
10:30	1.50	12:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6062-6137'. ROP 50 FPH.
12:00	0.75	12:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6137-6160'. ROP 30.7 FPH.
12:45	1.25	14:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6160-6231'. ROP 56.8 FPH.
14:00	0.50	14:30	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
14:30	0.75	15:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6231-6254'. ROP 30.7 FPH.
15:15	2.00	17:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6254-6325'. ROP 35.5 FPH.
17:15	0.75	18:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6325-6337'. ROP 16 FPH.
18:00	1.75	19:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6337-6419'. ROP 46.9 FPH.
19:45	0.50	20:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6419-6427'. ROP 16 FPH.
20:15	1.50	21:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6427-6513'. ROP 57.3 FPH.
21:45	0.50	22:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6513-6521'. ROP 16 FPH.
22:15	1.50	23:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6521-6608'. ROP 58 FPH.
23:45	0.50	00:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6608-6616'. ROP 16 FPH.
00:15	1.00	01:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6616-6702'. ROP 86 FPH.
01:15	0.50	01:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6702-6708'. ROP 12 FPH.
01:45	1.75	03:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6708-6796'. ROP 50.3 FPH.
03:30	0.50	04:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6796-6804'. ROP 16 FPH.
04:00	1.50	05:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6804-6890'. ROP 57.3 FPH.
05:30	0.50	06:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6890-6898'. ROP 16 FPH.
0.40	7 40 4		0/00/0	040.00-00	0/04/0040-00-00

9-1D-7-19 Aurora 9/20/2012 06:00 - 9/21/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43047523940000			Aurora	COMPLETION	9,410.0	Drilling & Completion

Time Lo	g				
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6882-6928'. ROP 33.6 FPH.
08:30	0.50	09:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6982-6999'. ROP 34 FPH.
09:00	1.75	10:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6999-7079'. ROP 45.7 FPH.
10:45	0.75	11:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 7079-7093'. ROP 18.7 FPH.
11:30	1.50	13:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 7093-7173'. ROP 53.3 FPH.
13:00	1.00	14:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 7173-7193'. ROP 20 FPH.
14:00	0.75	14:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 7193-7268'. ROP 100 FPH.
14:45	0.50	15:15	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
15:15	1.00	16:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 7268-7279'. ROP 11 FPH.
16:15	1.25	17:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 7279-7362'. ROP 66.4 FPH.
17:30	0.50	18:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 7362-7373'. ROP 22 FPH.
18:00	1.75	19:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 7373-7456' ROP 47.4 FPH.
19:45	1.25	21:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 7456-7468'. ROP 9.6 FPH.
21:00	1.00	22:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 7468-7550'. ROP 82 FPH.
22:00	1.00	23:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 7550-7566'. ROP 16 FPH.
23:00	1.25	00:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 7566-7645'. ROP 63.2 FPH.
00:15	0.75	01:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 7645-7661'. ROP 21.3 FPH.
01:00	1.25	02:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 7661-7739'. ROP 62.4 FPH.
02:15	1.00	03:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 7739-7759'. ROP 20 FPH.
03:15	1.25	04:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 7759-7834'. ROP 60 FPH.
04:30	1.25	05:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 7834-7854'. ROP 16 FPH.
05:45	0.25	06:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 7854-7865'. ROP 44 FPH.

05:45 0.25 | 06:00 | 2 DRILL ACTUAL ROTATE 9-1D-7-19 Aurora 9/21/2012 06:00 - 9/22/2012 06:00

43047523940000			Aurora	COMPLETION	9,410.0	Drilling & Completion
API/UVI	State/Flovince	County	rieiu ivairie	vveii Status	Total Depth (ItND)	Filliary Job Type

Time Log	3							
Start Time	Dur (hr)	End Time	Code	Category	Com			
06:00	1.50	07:30	2	DRILL ACTUAL ROTATE DRILL 8 3/4 HOLE 7865-7928'. ROP 42 FPH.				
07:30	2.00	09:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 7928-7946'. ROP 9 FPH.			
09:30	2.00	11:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 7946-8023'. ROP 38.5 FPH.			
11:30	0.75	12:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 8023-8030'. ROP 9.3 FPH.			
12:15	2.50	14:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 8030-8117'. ROP 34.8 FPH.			
14:45	0.50	15:15	7	LUBRICATE RIG	ROUTINE RIG SERVICE.			



$oldsymbol{\mathbb{B}}$	Bill B	arre	tt Co	rporation						
Time Lo	oa .									
Start Time	Dur (hr)	End Tim	e Code	Cate	egory			Com		
15:15	3.00	18:15	2	DRILL ACTUAL		ROTATE	DRILL 8 3/4 HOLE 81	17-8211'. ROP 3	1.3 FPH.	
18:15	1.25	19:30	2	DRILL ACTUAL		SLIDE DR	RILL 8 3/4 HOLE 8211-	-8227'. ROP 12.8	FPH.	
19:30	2.00	21:30	2	DRILL ACTUAL	DRILL ACTUAL		DRILL 8 3/4 HOLE 822	27-8306'. ROP 3	9.5 FPH.	
21:30	1.50	23:00	2	DRILL ACTUAL	DRILL ACTUAL		RILL 8 3/4 HOLE 8306-	-8322'. ROP 10.7	FPH.	
23:00	4.25	03:15	2	DRILL ACTUAL		ROTATE	DRILL 8 3/4 HOLE 83	22-8494'. ROP 4	0.5 FPH.	
03:15	1.25	04:30	2	DRILL ACTUAL	DRILL ACTUAL		RILL 8 3/4 HOLE 8494-	-8510'. ROP 12.8	FPH.	
04:30	1.50	06:00	2	DRILL ACTUAL		ROTATE	DRILL 8 3/4 HOLE 85	10-8554'. ROP 2	9.3 FPH.	
9-1D-	7-19 Au	rora	9/22	/2012 06:00 -	9/23/2012	06:00				
API/UWI						Well Status	Total Depth ((ftKB) Primary Job Type		
4304752	23940000				Aurora		COMPLETION		9,410.0 Drilling & Completion	
Time Lo		_								
Start Time	Dur (hr)	End Tim	_		egory	DOTATE	DDILL 0.0/4 LIOLE 05/	Com	0.5 EDI.	
06:00		15:30	2	DRILL ACTUAL			DRILL 8 3/4 HOLE 85	54-8872°. ROP 3	3.5 FPH. 	
15:30		16:00	7	LUBRICATE RIG			RIG SERVICE.			
16:00	_	04:15	2	DRILL ACTUAL			DRILL 8 3/4 HOLE 88	` ,		
04:15	1.50	05:45	5	COND MUD & CI	RC	PUMP 50 PUMP SL		SWEEP PILL &	CIRCULATE 1 1/2 BOTTOMS UP.	
05:45	0.25	06:00	6	TRIPS		FLOWCH	ECK & POH.			
9-1D-	7-19 Au	rora	9/23/	/2012 06:00 -	9/24/2012	06:00				
API/UWI	23940000	1010	State/Provi		Field Nam Aurora		Well Status COMPLETION	Total Depth ((ftKB) Primary Job Type 9,410.0 Drilling & Completion	
Time Lo					Autora		COMPLETION		9,410.0 Brilling & Completion	
Start Time		End Tim	e Code	Cate	egory			Com		
06:00		10:15	6	TRIPS			POH TO SHOE. OVERPULL AT 8877, 8145, 8072', 20-60K. BACKREAM 7970-7900'. PULL 4 STANDS & PUMP ANOTHER SLUG. 20-100K OVERPULL AT 6610, 5900, 5300, 5300, 4560, 4400 & 4350'.			
10:15	5.00	15:15	6	TRIPS	TRIPS				VASH THRU BRIDGES 2242-2332, 1110-8117 & 8880-9050'.	
15:15	1.50	16:45	5	COND MUD & CI	COND MUD & CIRC		PUMP 50 BBL HV/SURFACE SWEEP PILL & CIRCULATE 1 1/2 BOTTOMS UP. FLOWCHECK, PUMP SLUG.			
16:45	4 50	21:15	6	TRIPS		POH TO LOG.				
21:15		22:30	6	TRIPS		LAY DOWN SPERRY TOOLS. BIT #3 CONDITION: 1-3-CT-S-X-I-WT-TD.				
22:30		23:00	7	LUBRICATE RIG					<u></u>	
23:00		00:30	11	WIRELINE LOGS		ROUTINE RIG SERVICE. HELD RISM & RIG LID HOWCO ELLOGGERS				
						HELD PJSM & RIG UP HOWCO E-LOGGERS.				
00:30		06:00	11	WIRELINE LOGS		RUN QUAD COMBO LOG. LOGGER TD 9410'.				
	·7-19 Au			/2012 06:00 -			Iwa II Oraș -	IT at al Danith	(1/2)	
API/UWI 4304752	23940000		State/Provi	nce County	Field Nam Aurora	ie	Well Status COMPLETION	Total Depth ((ftKB) Primary Job Type 9,410.0 Drilling & Completion	
Time Lo					7.0.0.0				e, e le 2 · · · · · · · g a c e · · · · p · c · · c · · ·	
Start Time	Dur (hr)	End Tim	e Code	Cate	egory			Com		
06:00	1.50	07:30	11	WIRELINE LOGS			'N LOGGERS.			
07:30	4.50	12:00	6	TRIPS		MAKE UP ROTARY BHA & RIH. FILL STRING AT 3500 & 7560'. NO HOLE TROUBLE.				
12:00	1.00	13:00	5	COND MUD & CI	RC	PRECAUTIONARY WASH LAST STAND TO BOTTOM. PUMP HV/LCM SWEEP & CIRCULATE 1 1/2 BOTTOMS UP.				
13:00	6.50	19:30	6	TRIPS		FLOWCHECK, PUMP SLUG & POH LAYING DOWN STRING.				
19:30		21:00	12	RUN CASING & C	CEMENT	PULL WEAR BUSHING. RIG UP CRT & HYDRAULIC SLIPS. RIG UP POWER TONGS.				
21:00	9.00	06:00	12	RUN CASING & (RUN CASING & CEMENT		MAKE UP/THREADLOCK 2 JT SHOE TRACK. RUN TOTAL OF 224 JTS 5 1/2, 17#, P-110, LTC, R3 CASING INCLUDING 3 MARKER JTS. 178 JTS IN HOLE @ 06:00.			
9-1D-	7-19 Au	rora	9/25/	/2012 06:00 -	9/26/2012	06:00				
API/UWI 4304752	23940000		State/Provi	nce County	Field Nam Aurora	ne	Well Status COMPLETION	Total Depth ((ftKB) Primary Job Type 9,410.0 Drilling & Completion	
Time Lo	•									
Start Time		End Tim	_		egory	FINISHE		Com	DOWN CACING TOO!	
06:00	1.75	07:45	12	RUN CASING & 0	JEMIEN I	FINISH R	UNNING 224 JTS 5 1/	Z CASING. RIG	DOWN CASING TOOLS.	

www.pele	loton.com Page 4/5	Report Printed: 10/2/2012
144 44 44 . PCI	ioton.com	Report i inted. 10/2/2012



Time Log							
Start Time	Dur (hr)	End Time	Code	Category	Com		
07:45	4.75	12:30	5	COND MUD & CIRC	WASH DOWN LAST JT. CIRCULATE/RECIPROCATE CASING. REDUCE MUD VISCOSITY & WAIT ON HALLIBURTON DUE TO MISUNDERSTANDING ON REQUIRED ARRIVAL TIME. HOWCO ARRIVED 10:15 HRS. CONTINUE CIRCULATING WHILE RIGGING UP HOWCO. HELD PJSM.		
12:30	4.00	16:30	12	RUN CASING & CEMENT	LAND CASING W/SHOE @ 9400' & FLOAT COLLAR @ 9320'. INSTALL CEMENT HEAD & LINE. TEST LINE TO 5000 PSI. HOWCO PUMPED 10 BBL WATER, 40 BBL SUPER FLUSH 101 @ 10 PPG, 10 BBL WATER, 885 SX (366 BBL) TUNED LIGHT @ 11 PPG, 605 SX (154 BBL) ECONOCEM @ 13.5 PPG. DROPPED TOP PLUG & DISPLACED W/215 BBL WATER + CLAY WEB + ALDACIDE. BUMPED PLUG W/1500 PSI OVER FDP. CEMENT HEAD LEAKED, REPLACED O-RING & RE-PRESSURED TO 3200 PSI, HELD 10 MIN. BLED OFF 2.5 BBL & FLOATS HELD. FULL RETURNS THROUGHOUT JOB, BUT ONLY CEMENT SUPER FLUSH OBSERVED AT SURFACE.		
16:30	3.00	19:30	12	RUN CASING & CEMENT	RIG DOWN HOWCO CEMENT HEAD & LINE. WASH CEMENT FROM BOP & FLOWLINE. CLEAN MUD TANKS.		
19:30	4.50	00:00	14	NIPPLE UP B.O.P	NIPPLE DOWN/LIFT BOP. INSTALL 5 1/2 CASING SLIPS W/194K ON SLIPS. CUT CASING & LAY DOWN CUT-OFF. RIG DOWN CRT. ND & STOW BOP. FINAL CUT CASING & INSTALL/TEST TUBING HANGER SPOOL & NIGHT CAP. RELEASE RIG AT 00:00 HRS, 9/26/12.		

www.peloton.com Page 5/5 Report Printed: 10/2/2012

	STATE OF UTAH			FORI	М 9
[DEPARTMENT OF NATURAL RESO DIVISION OF OIL, GAS, AND		i	5.LEASE DESIGNATION AND SERIAL NUMBER Fee	ER:
SUNDR	Y NOTICES AND REPOR	TS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for pro current bottom-hole depth, r FOR PERMIT TO DRILL form	posals to drill new wells, significa eenter plugged wells, or to drill ho n for such proposals.	ntly deep orizontal l	en existing wells below aterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: AURORA (DEEP)	
1. TYPE OF WELL Oil Well				8. WELL NAME and NUMBER: AURORA 9-1D-7-19	
2. NAME OF OPERATOR: BILL BARRETT CORP				9. API NUMBER: 43047523940000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300	, Denver, CO, 80202		NE NUMBER: 312-8164 Ext	9. FIELD and POOL or WILDCAT: WILDCAT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2475 FSL 1125 FEL				COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSH	IIP, RANGE, MERIDIAN: 1 Township: 07.0S Range: 19.0E M	leridian: S	3	STATE: UTAH	
11. CHECK	K APPROPRIATE BOXES TO IND	ICATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE		LITER CASING	CASING REPAIR	_
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		HANGE TUBING	CHANGE WELL NAME	
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ F	RACTURE TREAT	NEW CONSTRUCTION	
	OPERATOR CHANGE	□ в	LUG AND ABANDON	PLUG BACK	
SPUD REPORT	PRODUCTION START OR RESUME		ECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
✓ DRILLING REPORT	L TUBING REPAIR		ENT OR FLARE	WATER DISPOSAL	
Report Date: 10/31/2012	WATER SHUTOFF	∟ s	I TA STATUS EXTENSION	APD EXTENSION	
	WILDCAT WELL DETERMINATION	∐ c	THER	OTHER:	
l .	COMPLETED OPERATIONS. Clearly significantly drilling activity			Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 07, 2012	
NAME (PLEASE PRINT) Brady Riley	PHONE N 0 303 312-8115	UMBER	TITLE Permit Analyst		
SIGNATURE N/A			DATE 11/7/2012		_



End Tin 08:00 08:30 13:45 06:00	5.25	State/Prov	General Operations County Category County Category General Operations Rig Up/Down	Field Name Aurora	PRODUCING Com Blade Location Off. Clean Out Cellar. O6:00 Well Status PRODUCING Total Depth (ftKB) PRODUCING Primary Job Type 9,410.0 Drilling & Completion Primary Job Type 9,410.0 Drilling & Completion Com WSI And Secured. MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool. P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 9,290', Drilling Report Shows FC A 9,320', 30' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 9,290', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012. Run Repeat Section Fron 9,290 - 0,090', Log Up Hole. Showed Good Bond From TD To 6480', 6480' - 2850' Fa To Poor, 2850-2100' Poor. TOC 2100'. Ran With Pressure. Found Short Joints At 7,5			
End Tin 08:00 08:30 13:45 06:00	Dur (hr) 24.00 24.00	06:00 GOP	General Operations 2012 06:00 - 10/3 County Category General Operations Rig Up/Down	Field Name Aurora	Com Blade Location Off. Clean Out Cellar. O6:00 Well Status PRODUCING Total Depth (ftKB) 9,410.0 Primary Job Type 9,410.0 Drilling & Completion Com WSI And Secured. MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool. P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 9,290', Drilling Report Shows FC A 9,320', 30' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 9,290', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012. Run Repeat Section Fron 9,290 - 0,090', Log Up Hole. Showed Good Bond From TD To 6480', 6480' - 2850' Fa To Poor, 2850-2100' Poor. TOC 2100'. Ran With Pressure. Found Short Joints At 7,5			
End Tin 08:00 08:30 13:45 06:00	D-7-19 Au V-7523940000 Log Dur (hr) 0) 2.00 0) 0.50	06:00 GOP	General Operations 2012 06:00 - 10/3 County Category General Operations Rig Up/Down	Field Name Aurora	Blade Location Off. Clean Out Cellar. O6:00 Well Status PRODUCING Com WSI And Secured. MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool. P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 9,290', Drilling Report Shows FC A 9,320', 30' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 9,290', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012. Run Repeat Section Fron 9,290 - 0,090', Log Up Hole. Showed Good Bond From TD To 6480', 6480' - 2850' Fa To Poor, 2850-2100' Poor. TOC 2100'. Ran With Pressure. Found Short Joints At 7,5			
End Tin 08:00 08:30 13:45 06:00 End Tin End Ti	D-7-19 Au 7523940000 Log ime Dur (hr) 0 2.00 0 0.50	State/Prov State/Prov State Code 08:00 GOP 08:30 SRIG	County General Operations Rig Up/Down	Field Name Aurora	Clean Out Cellar. O6:00 Well Status PRODUCING Primary Job Type Primary Job Type PRODUCING Primary Job Type Prim			
08:00 08:30 13:45 06:00	VI 7523940000 Log ime Dur (hr) 0 2.00 0 0.50	State/Prov	County Category General Operations Rig Up/Down	Field Name Aurora	Well Status PRODUCING Total Depth (ftKB) Primary Job Type 9,410.0 Primary Job Type Drilling & Completion Com WSI And Secured. MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool. P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 9,290', Drilling Report Shows FC A 9,320', 30' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 9,290', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012. Run Repeat Section Fron 9,290 - 0,090', Log Up Hole. Showed Good Bond From TD To 6480', 6480' - 2850' Fa To Poor, 2850-2100' Poor. TOC 2100'. Ran With Pressure. Found Short Joints At 7,5			
08:00 08:30 13:45 06:00	7523940000 Log ime Dur (hr) 0 2.00 0 0.50 5.25	End Time	Category General Operations Rig Up/Down	Aurora	PRODUCING 9,410.0 Drilling & Completion Com WSI And Secured. MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool. P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 9,290', Drilling Report Shows FC A 9,320', 30' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 9,290', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012. Run Repeat Section Fron 9,290 - 0,090', Log Up Hole. Showed Good Bond From TD To 6480', 6480' - 2850' Fa To Poor, 2850-2100' Poor. TOC 2100'. Ran With Pressure. Found Short Joints At 7,5			
08:00 08:30 13:45 06:00	ime Dur (hr) 2.00 0.50 0.525	08:00 GOP 08:30 SRIG	General Operations Rig Up/Down		Com WSI And Secured. MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool. P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 9,290', Drilling Report Shows FC A 9,320', 30' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 9,290', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012. Run Repeat Section Fron 9,290 - 0,090', Log Up Hole. Showed Good Bond From TD To 6480', 6480' - 2850' Fa To Poor, 2850-2100' Poor. TOC 2100'. Ran With Pressure. Found Short Joints At 7,5			
08:00 08:30 13:45 06:00	2.00 0 0.50 0 5.25	08:00 GOP 08:30 SRIG	General Operations Rig Up/Down		WSI And Secured. MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool. P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 9,290', Drilling Report Shows FC A 9,320', 30' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 9,290', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012. Run Repeat Section Fron 9,290 - 0,090', Log Up Hole. Showed Good Bond From TD To 6480', 6480' - 2850' Fa To Poor, 2850-2100' Poor. TOC 2100'. Ran With Pressure. Found Short Joints At 7,5			
08:30 13:45 06:00 rora	0.50	08:30 SRIG	Rig Up/Down		MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool. P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 9,290', Drilling Report Shows FC A 9,320', 30' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 9,290', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012. Run Repeat Section Fron 9,290 - 0,090', Log Up Hole. Showed Good Bond From TD To 6480', 6480' - 2850' Fa To Poor, 2850-2100' Poor. TOC 2100'. Ran With Pressure. Found Short Joints At 7,5			
06:00		13:45 LOGG	G Logging		P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 9,290', Drilling Report Shows FC A 9,320', 30' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 9,290', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012. Run Repeat Section Fron 9,290 - 0,090', Log Up Hole. Showed Good Bond From TD To 6480', 6480' - 2850' Fa To Poor, 2850-2100' Poor. TOC 2100'. Ran With Pressure. Found Short Joints At 7,5			
06:00		13:45 LOGG	G Logging		9,320', 30' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 9,290', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012. Run Repeat Section Fron 9,290 - 0,090', Log Up Hole. Showed Good Bond From TD To 6480', 6480' - 2850' Fa To Poor, 2850-2100' Poor. TOC 2100'. Ran With Pressure. Found Short Joints At 7,5			
rora End Tin	16.25		1					
End Tin		06:00 LOCL	Lock Wellhead & Secure		WSI And Secured			
	D-7-19 Au	rora 10/1	1/2012 06:00 - 10	/12/201	2 06:00			
	vi 7523940000	State/Prov	vince County	Field Name Aurora	Primary Job Type PRODUCING Total Depth (ftKB) Primary Job Type 9,410.0 Drilling & Completion			
	Log			Autora	PRODUCING 9,410.0[Dilliling & Completion			
106.00	ime Dur (hr)) 24.00	End Time Code 06:00 GOP	· ,		Com Set Frac Line.			
06.00	24.00	106.00 GOP	General Operations		Fill Frac Line			
rora			3/2012 06:00 - 10					
	vi 7523940000	State/Prov	vince County	Field Name Aurora	PRODUCING Well Status Total Depth (ftKB) Primary Job Type 9,410.0 Drilling & Completion			
I = . =:	Log			,				
	ime Dur (hr)) 24.00	End Time Code	General Operations		Finish Filling Frac Line.			
					HES Set Manifold And Movers			
rora	D-7-19 Au		5/2012 06:00 - 10					
	7523940000	State/Prov	vince County	Field Name Aurora	PRODUCING Well Status PRODUCING Total Depth (ftKB) Primary Job Type 9,410.0 Drilling & Completion			
Le. ie.	Log	I F. I F. I D. I	Outroom		Com			
	ime Dur (hr) 0.50	End Time Code 06:30 LOCL			WSI And Secured. 0 Psi. On Well.			
1		09:00 SRIG			SLB WireLine Arrive On Location, Hold Safety Meeting. Rig Up Equipment. Pick Up Lubricator, Test Lubricator, Arm Gun, Rig Up To Well.			
10:15	1.25	10:15 PFRT	Perforating		RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012 And SLB CBL/CCL Dated 10/02/2012. Found And Correlated To Marker Joint At 7,541 - 7,563'. Drop Down To Depth, Perforate Stage 1 EB-4/EB-3/EB-2 Zone, 8,840 - 9,183'. 42 Holes. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.			
		13:30 SRIG			HES On Location At 10:00 Hrs. Rig Up Equipment			
106.00					WSI And Secured. SDFD.			
	7523940000	State/Prov	/ince County	Field Name Aurora	Primary Job Type PRODUCING Total Depth (ftKB) Primary Job Type 9,410.0 Drilling & Completion			
	Log ime Dur (hr)	End Time Co. I	0-1		Com			
rora					HES Crew On Location At 0330 Hrs., Prime Chemical And Fluid Pumps, Pressure To 9000 Psi., Ran QC On Fluid, Looks Good.			
ш	D-7-19 Au VI 7523940000 Log	ır	06:00 LOCL ora 10/1 State/Prov End Time Code	06:00 LOCL Lock Wellhead & Secure ora 10/16/2012 06:00 - 10 State/Province County	O6:00 LOCL Lock Wellhead & Secure Ora 10/16/2012 06:00 - 10/17/201 State/Province County Field Name Aurora End Time Code Category			

www.peloton.com Page 1/8 Report Printed: 11/2/2012



Time Log Start Time	Dur (hr)	End Time	Code	Category	Com
6:00		06:00	SMTG	Safety Meeting	Safety Meeting. Talk About Smoking Area, PPE, Escape And Mustering Areas, Communication, And Red Zone.
06:00	0.00	06:00	FRAC	Frac. Job	Frac Stage 1. Fluid System: Hybor G 16 Open Well, 19 Psi. ICP. BrokeDown At 9.5 Bpm And 2,858 Psi Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.9 Bpm And 4,621 Psi., Get ISIP, 1,829 Psi 0.64 Psi./Ft. F.G 32/45 Holes. Con't With SlickWater Pad, 31,944 Gals Stage Into .75# 100 Mesh, 69.5 Bpm At 3,867 Psi On Perfs, 69.2 Bpm At 3,952 Psi., 9,276 Gals. Stage Into 2# 20/40 CRC Prop, 69.0 Bpm At 3,957 Psi On Perfs, 68.6 Bpm At 3,475 Psi., 9,800 Gals. Stage Into 3.0# 20/40 CRC Prop, 68.8 Bpm At 3,439 Psi On Perfs, 69.0 Bpm At 3,260 Psi., 5,084 Gals. Stage Into 4.0# 20/40 CRC Prop, 69.0 Bpm At 3,352 Psi On Perfs, 69.0 Bpm At 3,129 Psi., 12,859 Gals. Stage Into 5.0# 20/40 CRC Prop, 68.8 Bpm At 3,118 Psi On Perfs, 70.3 Bpm At 3,114 Psi., 12,473 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf Get ISDP, 2,007 Psi 0.67 Psi./Ft. F.G WSI And Secured. Total 100 Mesh - 7,100# Total 20/40 CRC - 140,400# Total 20/40 CRC - 140,400# Total Clean - 104,863 Gals 2,497 Bbls BWTR - 2,713 Bbls. Max. Rate - 71.3 Bpm Avg. Rate - 69.2 Bpm Max. Psi 3,989 Psi. Avg. Psi 3,505 Psi.
5:00	0.42	06:25	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
6:25	1.25	07:40	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012 And SLI CBL/CCL Dated 10/02/2012. Found And Correlated To Marker Joint At 7,541 - 7,563'. Drop Down To Depth, Set CBP At 8,782', 1,750 Psi Perforate Stage 2 EB-2/EB-1/Wasatch Zone, 8,433 - 8,764'. 45 Holes. 1,650 Psi POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
7:40	0.17	07:50	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
7:50	1.00	08:50	FRAC	Frac. Job	Frac Stage 2. Fluid System: Hybor G 16 Open Well, 1571 Psi. ICP. BrokeDown At 10.0 Bpm And 4,116 Psi Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.6 Bpm And 5,400 Psi., Get ISIP, 1,301 Psi 0.59 Psi./Ft. F.G 25/45 Holes. Con't With SlickWater Pad, 32,374 Gals Stage Into .75# 100 Mesh, 71.8 Bpm At 3,789 Psi On Perfs, 71.6 Bpm At 3,874 Psi., 9,712 Gals. Stage Into 2# 20/40 CRC Prop, 71.5 Bpm At 3,801 Psi On Perfs, 71.3 Bpm At 3,274 Psi., 9,440 Gals. Stage Into 3.0# 20/40 CRC Prop, 71.3 Bpm At 3,275 Psi On Perfs, 70.9 Bpm At 3,029 Psi., 6,551 Gals. Stage Into 4.0# 20/40 CRC Prop, 71.4 Bpm At 3,079 Psi On Perfs, 71.1 Bpm At 3,005 Psi., 12,859 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf Get ISDP, 1,452 Psi 0.61 Psi./Ft. F.G WSI And Secured. Total 100 Mesh - 7,300# Total 20/40 CRC - 117,600# 84% Of Design. Total Clean - 101,940 Gals 2,427 Bbls BWTR - 2,648 Bbls. Max. Rate - 72.1 Bpm Avg. Rate - 71.3 Bpm Avg. Rate - 71.3 Bpm Max. Psi 4,373 Psi. Avg. Psi 3,487 Psi.
08:50	0.17	09:00	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.



	Time Log								
Start Time	, ,	End Time	Code	Category	Com				
09:00	1.25	10:15	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012 And SLB CBL/CCL Dated 10/02/2012. Found And Correlated To Marker Joint At 7,541 - 7,563'. Drop Down To Depth, Set CBP At 8,393', 1,300 Psi Perforate Stage 3 UteLand Butte Zone, 8,074 - 8,373'. 45 Holes. 1,200 Psi POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.				
10:15	0.17	10:25	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.				
10:25		11:25	FRAC	Frac. Job	Frac Stage 3. Fluid System: Hybor G 16 Open Well, 1097 Psi. ICP. BrokeDown At 9.9 Bpm And 2,564 Psi Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.5 Bpm And 4,721 Psi., Get ISIP, 1,304 Psi 0.60 Psi./Ft. F.G., 28/45 Holes. Con't With SlickWater Pad, 34,701 Gals Stage Into .75# 100 Mesh, 72.2 Bpm At 3,408 Psi On Perfs, 71.7 Bpm At 3,384 Psi., 10,952 Gals. Stage Into 2# 20/40 White Prop, 71.7 Bpm At 3,339 Psi On Perfs, 71.4 Bpm At 2,833 Psi., 9,142 Gals. Stage Into 3.0# 20/40 White Prop, 71.4 Bpm At 2,743 Psi On Perfs, 71.4 Bpm At 2,507 Psi., 10,949 Gals. Stage Into 4.0# 20/40 White Prop, 71.4 Bpm At 2,511 Psi On Perfs, 71.4 Bpm At 2,400 Psi., 12,179 Gals. Stage Into 5.0# 20/40 White Prop, 71.5 Bpm At 2,424 Psi On Perfs, 71.2 Bpm At 2,374 Psi., 11,908 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf Get ISDP, 1,404 Psi 0.61 Psi./Ft. F.G WSI And Secured. Total 100 Mesh - 8,300# Total 20/40 White - 150,100# Total Clean - 111,582 Gals 2,657 Bbls BWTR - 2,835 Bbls. Max. Rate - 72.2 Bpm Avg. Rate - 71.5 Bpm Max. Psi 3,842 Psi. Avg. Psi 2,977 Psi.				
11:25	0.16	11:35	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.				
11:35		12:40	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012 And SLB CBL/CCL Dated 10/02/2012. Found And Correlated To Marker Joint At 7,541 - 7,563'. Drop Down To Depth, Set CBP At 7,978', 1,200 Psi Perforate Stage 4 Castle Peak/Black Shale Zone, 7,578 - 7,958'. 45 Holes. 900 Psi POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.				
12:40	0.17	12:50	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.				

www.peloton.com Page 3/8 Report Printed: 11/2/2012



1.00 13:50 FRAC Frac. Job Frac. Stage 4, Fluid System: Hybor G 16 Frac. Job Frac. Stage 4, Fluid System: Hybor G 16 Frac. Job Frac. Job Frac. Job Frac. Job Frac. Stage 4, Fluid System: Hybor G 16 Frac. Job Frac. Job	Time Log								
Open Well, 279 Psi. ICP. BrokeDown 41, 93 Bpm And 5,109 Psi Purp 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut, Let Balls Fall. Get Stabilized Injection Of 71.3 Bpm And 4,180 Psi., Get ISIP, 1,456 Psi. 0.63 Psi./Ft. F.G., 27/45 Holes. Cont With StickWater Pad, 34,750 Gals. Stage Into .75# 100 Mesh, 72.0 Bpm At 3,948 Psi On Perfs, 71.7 Bpm At 4,052 Psi., 11,186 Gals. Stage Into 2# 20/40 White Prop, 71.8 Bpm At 4,042 Psi On Perfs, 71.3 Bpm At 3,948 Psi., 2748 Gals. On Perfs, 71.3 Bpm At 3,948 Psi., 2748 Gals. On Perfs, 71.3 Bpm At 3,947 Psi., 17.4 Bpm At 3,17.3 Bpm At 3,522 Psi On Perfs, 71.4 Bpm At 3,17.3 Bpm At 3,522 Psi On Perfs, 71.4 Bpm At 3,17.2 Psi On Perfs, 71.4 Bpm At 3,17.2 Psi On Perfs, 71.6 Bpm At 3,002 Psi., 11.714 Gals. Stage Into 4.0# 20/40 White Prop, 71.8 Bpm At 2,976 Psi On Perfs, 71.4 Bpm At 3,17.2 Psi On Perfs, 71.4 Bpm At 3,17.7 Psi On Perfs, 71.4 Bpm At 3,17.7 Psi On Perfs, 71.4 Bpm At 3,17.7 Psi On Perfs, 71.7 Psi On Psi., 71.7 Psi.	Start Time	. ,			~ -				
To Well Pressure. 14:00 1.00 15:00 PFRT Perforating RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012 And SLB CBL/CCL Dated 10/02/2012. Found And Correlated To Marker Joint At 6,780 - 6,802'. Drop Down To Depth, Set CBP At 7,555', 1,400 Psi Perforate Stage 5 Douglas Creek Zone, 7,209 - 7,535'. 45 Holes. 900 Psi POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured. 15:00 15:00 LOCL Lock Wellhead & Secure WSI And Secured. SDFD.						Open Well, 279 Psi. IĆP. BrokeDown At 9.9 Bpm And 5,109 Psi Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 71.3 Bpm And 4,180 Psi., Get ISIP, 1,456 Psi 0.63 Psi./Ft. F.G 27/45 Holes. Con't With SlickWater Pad, 34,750 Gals Stage Into 75# 100 Mesh, 72.0 Bpm At 3,948 Psi On Perfs, 71.7 Bpm At 4,052 Psi., 11,186 Gals. Stage Into 2# 20/40 White Prop, 71.8 Bpm At 4,042 Psi On Perfs, 71.3 Bpm At 3,634 Psi., 8,748 Gals. Stage Into 3.0# 20/40 White Prop, 71.3 Bpm At 3,522 Psi On Perfs, 71.4 Bpm At 3,216 Psi., 12,486 Gals. Stage Into 4.0# 20/40 White Prop, 71.4 Bpm At 3,127 Psi On Perfs, 71.6 Bpm At 3,002 Psi., 11,714 Gals. Stage Into 5.0# 20/40 White Prop, 71.6 Bpm At 2,976 Psi On Perfs, 71.4 Bpm At 2,374 Psi., 11,372 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf Get ISDP, 1,777 Psi. 0.67 Psi./Ft. F.G WSI And Secured. Total 100 Mesh - 8,400# Total 20/40 White - 150,500# Total Clean - 111,295 Gals 2,650 Bbls BWTR - 2,834 Bbls. Max. Rate - 72.2 Bpm Avg. Rate - 71.5 Bpm Max. Psi 4,166 Psi. Avg. Psi 3,542 Psi.			
.36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012 And SLB CBL/CCL Dated 10/02/2012. Found And Correlated To Marker Joint At 6,780 - 6,802'. Drop Down To Depth, Set CBP At 7,555', 1,400 Psi Perforate Stage 5 Douglas Creek Zone, 7,209 - 7,535'. 45 Holes. 900 Psi POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured. 15:00 15:00 06:00 LOCL Lock Wellhead & Secure WSI And Secured. SDFD.	13:50	0.17	14:00	CTUW	W/L Operation				
	14:00	1.00	15:00	PFRT	Perforating	.36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 09-23-2012 And SLB CBL/CCL Dated 10/02/2012. Found And Correlated To Marker Joint At 6,780 - 6,802'. Drop Down To Depth, Set CBP At 7,555', 1,400 Psi Perforate Stage 5 Douglas Creek Zone, 7,209 - 7,535'. 45 Holes. 900 Psi			
	15:00	15.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.			
9-1D-7-19 Aurora 10/17/2012 06:00 - 10/18/2012 06:00	0.45	7 40 4		40/4=	10040 00 00 4040	2040.00.00			

9-1D-7-19 Aurora	10/17/2012	06:00 - 10/1	18/2012 06:00	0		
API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43047523940000			Aurora	PRODUCING	9,410.0	Drilling & Completion

www.peloton.com Page 4/8 Report Printed: 11/2/2012



Time Lo	ime Log								
Start Time	Dur (hr)	End Time	Code	Category	Com				
06:00			FRAC	Frac. Job	HES AOL 04:30, QC CHECK FLUIDS. HSM STG #5- DOUGLAS PERFS 7209'-7535' 45 HOLES IN 15' NET. OPEN WELL W; 541 PSI AT 06:00. BREAK DOWN 2798 PSI AT 9.6 BPM. PMP 3937 GAL 15% HCL ACID W; 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 2500 PSI. FLUSH W; 7849 GAL. 30.1 BPM AT 3401 PSI. ATTEMPT BALL OUT. GOOD DIVERSION. SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 71.0 BPM AT 4611 PSI. ISIP 2132. FR .73. PERFS OPEN 28/45. CONT FR PAD. 71.6 BPM AT 4265 PSI. STAGE TO .75 PPA 100 MESH. 71.1 BPM AT 4211 PSI. ON PERFS. 71.4 BPM AT 4150 PSI. STAGE TO 2 PPA 20/40 CRC. 71.4 BPM AT 3920 PSI. ON PERFS 71.4 BPM AT 3754 PSI. STAGE TO 3 PPA 20/40 CRC. 71.3 BPM AT 3680 PSI. ON PERFS 71.4 BPM AT 3594 PSI. STAGE TO 4 PPA 20/40 CRC. 71.3 BPM AT 3640 PSI. ON PERFS 71.2 BPM AT 3633 PSI. STAGE TO 5 PPA 20/40 CRC. 71.1 BPM AT 3716 PSI. ON PERFS, SHARP INCREASE IN NET. CUT 5 PPA SHORT AND GO TO FLUSH FLUSH 70.0 BPM AT 5700 PSI. ABLE TO GET FLUSHED. WSI WITH 2762 PSI. TURN OVER TO WIRELINE. ISDP 2976 FG .84 MAX RATE 72.2 BPM MAX PRES 5881 PSI AVE RATE 71.4 BPM AVE PRES 3966 PSI PMP 8600 LBS 100# MESH. 141,900 LBS 20/40 WHITE (94% OF DESIGN). (TOTAL PROP 150,500 LBS) SLK WTR 50,945 GAL 20# HYBOR G (16) 54,354 GAL (TOTAL FLUID 105,299 GAL) BWTR 2507 BBLS				
07:30	1.00	08:30	PFRT	Perforating	STG #6- PU HES 5-1/2" CFP AND GUNS FOR STAGE 6 INTO LUB AND EQUALIZE 2500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 6780'-6802'. RUN DOWN AND SET CBP AT 7186'. PULL UP AND PERF DOUGLAS CREEK AND TGR3 FORM 6897'-7168' WITH 39 HOLES IN 13' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 1800 PSI.				

www.peloton.com Page 5/8 Report Printed: 11/2/2012



Time Log										
Start Time	Dur (hr)	End Time	Code	Category	Com					
08:30		09:45	FRAC	Frac. Job	STG #6- DOUGLAS PERFS 6897'-7168" 39 HOLES IN 13' NET. OPEN WELL W/ 1744 PSI AT 08:40. BREAK DOWN 2550 PSI AT 10.0 BPM. PMP 3883 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.0 BPM AT 2638 PSI. FLUSH W/ 7442 GAL. 30.2 BPM AT 3490 PSI. ATTEMPT BALL OUT. GOOD DIVERSION. SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 71.0 BPM AT 4573 PSI. ISIP 1631. FR .67. PERFS OPEN 25/39. CONT FR PAD. 71.3 BPM AT 4355 PSI. STAGE TO .75 PPA 100 MESH. 71.9 BPM AT 4070 PSI. ON PERFS. 71.2 BPM AT 4174 PSI. STAGE TO 2 PPA 20/40 CRC. 70.5 BPM AT 3967 PSI. ON PERFS 69.6 BPM AT 3461 PSI. STAGE TO 3 PPA 20/40 CRC. 69.9 BPM AT 3200 PSI. ON PERFS 69.7 BPM AT 3102 PSI. STAGE TO 4 PPA 20/40 CRC. 69.8 BPM AT 3022 PSI. ON PERFS 69.8 BPM AT 3009 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3010 PSI. ON PERFS 69.6 BPM AT 3036 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3010 PSI. ON PERFS 69.6 BPM AT 3036 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3010 PSI. ON PERFS 69.6 BPM AT 3036 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3010 PSI. ON PERFS 69.6 BPM AT 3036 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3010 PSI. ON PERFS 69.6 BPM AT 3036 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3010 PSI. ON PERFS 69.6 BPM AT 3036 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3010 PSI. ON PERFS 69.6 BPM AT 3036 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3010 PSI. ON PERFS 69.6 BPM AT 3036 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3010 PSI. ON PERFS 69.6 BPM AT 3036 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3010 PSI. ON PERFS 69.6 BPM AT 3036 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3010 PSI. ON PERFS 69.6 BPM AT 3036 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3010 PSI. ON PERFS 69.6 BPM AT 3036 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3010 PSI. ON PERFS 69.6 BPM AT 3039 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3010 PSI. ON PERFS 69.6 BPM AT 3009 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3010 PSI. ON PERFS 69.6 BPM AT 3009 PSI. STAGE TO 5 PPA 20/40 CRC. 69.9 BPM AT 3000 PSI. ON PERFS 69.6 BP					
09:45	1.25	11:00	PFRT	Perforating	STG #7- PU HES 5-1/2" CFP AND GUNS FOR STAGE 7 FOR PELICAN BENCH INTO LUB AND EQUALIZE 1800 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 6780'-6802'. RUN DOWN AND SET CBP AT 7186'. PULL UP AND PERF PELICAN BENCH FORM 6555'-6772' WITH 33 HOLES IN 11' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 950 PSI.					
11:00	3.25	14:15	PUMP	Pump Test	STG #7 IFIT TEST. PELICAN BENCH PERFS 6555'-6772' 33 HOLES IN 11' NET. OPEN WELL W/ 296 PSI. LOAD HOLE W/ 100 GAL AND BD 3160 PSI AT 10.0 BPM. PMP 20 BBLS - 10.1 BPM AT 3073 PSI. LOAD 943 GAL. SHUT DOWN. ISIP 1631 PSI FG .68. MONITOR FOR 1 HOUR.					
14:15	1.00	15:15	PFRT	Perforating	STG #7- PU GUNS FOR REST OF STG #7 EQUALIZE 1200 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 6780'-6802'. RUN DOWN AND PERF TGR3 6817'-6870 W/ 12 SHOTS IN 4' NET.POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 950 PSI. (OVERALL ZONE 6555'-6870', 45 HOLES, 15' NET).					

www.peloton.com Page 6/8 Report Printed: 11/2/2012



Time Lo	a											
Start Time	Dur (hr)	End Time	Code		Categor	ry					Com	
15:15	, ,	16:30	FRAC	Frac. Jo		,,		OPEN WELL W/ 1268 PSI AT 15:30. BREAK DOWN 2239 PSI AT 9.8 BPM. PMP 3740 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.0 BPM AT 1525 PSI. FLUSH W/ 7112 GAL. 30.3 BPM AT 2743 PSI. ATTEMPT BALL OUT. GOOD DIVERSION. SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.0 BPM AT 3684 PSI. ISIP 1631. FR .68. PERFS OPEN 29/45. CONT FR PAD. 71.5 BPM AT 3621 PSI. STAGE TO .75 PPA 100 MESH. 71.6 BPM AT 3556 PSI. ON PERFS. 71.6 BPM AT 3604 PSI. STAGE TO .2 PPA 20/40 CRC. 71.3 BPM AT 3322 PSI. ON PERFS 71.2 BPM AT 3 PSI. STAGE TO 3 PPA 20/40 CRC. 71.1 BPM AT 3130 PSI. ON PERFS 70.8 BPM AT 3 PSI. STAGE TO 4 PPA 20/40 CRC. 71.2 BPM AT 2902 PSI. ON PERFS 71.2 BPM AT 2 PSI. STAGE TO 5 PPA 20/40 CRC. 71.0 BPM AT 2824 PSI. ON PERFS 71.2 BPM AT 2 PSI. STAGE TO 5 PPA 20/40 CRC. 71.0 BPM AT 2824 PSI. ON PERFS 71.2 BPM AT 2 PSI. STAGE TO 5 PPA 20/40 CRC. 71.0 BPM AT 2824 PSI. ON PERFS 71.2 BPM AT 2 PSI. STAGE TO 5 PPA 20/40 CRC. 71.0 BPM AT 2824 PSI. ON PERFS 71.2 BPM AT 2 PSI. STAGE TO 5 PPA 20/40 CRC. 71.0 BPM AT 2824 PSI. ON PERFS 71.2 BPM AT 2 PSI. FLUSH 69.6 BPM AT 3033 PSI. WSI WITH 1691 PSI. TURN OVER TO WIRELINE. ISDP 1725 PSI FG .70 MAX RATE 72.0 BPM MAX PRES 3721 PSI AVE RATE 71.3 BPM AVE PRES 3229 PSI PMP 9440 LBS 100# MESH. 155,980 LBS 20/40 WHITE. (TOTAL PROP 165.4 LBS) SLK WTR 56,549 GAL 20# HYBOR G (16) 62,889 GAL (TOTAL FLUID 119,438 GBWTR 2843 BBLS PU SETTING TOOL AND 5-1/2 HES CBP. RIH AND CORRELATE TO SJ AT 55957 POOH. RDMO HES AND SLB. STACK WTR. WELL SHUT IN AND SECURE		OUT. GOOD FALL. P 1631. FR .68. RFS. 71.6 BPM AT FS 71.2 BPM AT 3038 FS 71.2 BPM AT 2844 FS 71.2 BPM AT 2744 COTAL PROP 165,420		
16:30	1.50	18:00	WLWK	Wireline)			РООН.				
·					ES AND SLB. STA	CK WTR.						
19:00	11.00	06:00	LOCL	Lock W	ellhead & Se	ecure		WELL SI	IUT IN AND SECU	JRE		
_	7-19 Au				06:00 -							
API/UWI 4304752	3940000	S	State/Provinc	e	County		eld Name urora	9	Well Status PRODUCING		' ' '	imary Job Type rilling & Completion
Time Lo	g										· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Start Time 06:00	Dur (hr)	End Time 07:00	Code	Crew Ti	Categor	ry		CREW T	RAVEL. HOLD SAF	FETV MEE	Com	
06:00		08:00	SRIG	Rig Up/					& EQUIPMENT.	I E I T IVIEE	TINO.	
08:00		09:30	RMOV	Rig Up/						SETTIVSES	25-15 TO LOCATION.	
09:30		10:30	SRIG	Rig Up/					& EQUIPMENT.	JE LIVSET	20-10 TO LOCATION.	
10:30		14:00	GOP	_ • •	l Operations			SIWP- 10			ELL DOWN, NO LUCK . F	LOWING BACK +/- 1
14:00	2.00	16:00	CTUW	W/L Op	eration			R/U PIOI		RIH W/ 5-1	/2 CBP. TAG HIGH @ 640	60'. SET KILL PLUG @
16:00	1.50	17:30	ВОРІ	Install E	BOP's						OR & EQUIPMENT. SWIF	N.
17:30	1.00	18:30						CREW T	RAVEL.			
18:30	11.50	06:00	LOCL	Lock W	ellhead & Se	ecure		WELL SI	IUT IN & SECURE			
9-1D-	7-19 Au		10/19	2012	06:00 -	10/20	/201	2 06:0	0			
API/UWI	, IJ Au		State/Provinc		County		eld Name		Well Status		Total Depth (ftKB) Pr	imary Job Type
	3940000						urora		PRODUCING			rilling & Completion
Time Lo												
Start Time 06:00	Dur (hr)	End Time 07:00	Code	Crew Ti	Categor	ry		CREW/ T	RAVEL. HOLD SAF	FETY MEE	TING	
07:00		11:00	RUTB	Run Tul							-7/8 TBG & XN- NIPPLE. I	RIH W/ RHA TO KII I
07.00	4.00	1.00		Num ru	~y			1	6400' P/U NEW 2-	,	7,5 IDO G AIN- MIFT LE. I	W. W. DIIA TO RILL
		ı		ı								



Time Log	g				
Start Time	Dur (hr)	End Time	Code	Category	Com
11:00	6.00	17:00	DOPG	Drill Out Plugs	R/U POWER SWIVEL. BREAK CIRC. D/O KILL PLUG @ 6400'. CFP- 800 ON 28/64 CHOKE.
					SWIVEL IN HOLE TAG SECOND KILL PLUG HIGH @ 6460'. D/O PLUG. CFP- 700.
					SWIVEL IN HOLE, TAG SAND @ 6868'. C/O SAND & D/O CBP @ 6892'. CFP- 700.
					SWIVEL IN HOLE, PLUG #4 @ 7178', GONE.
					SWIVEL IN HOLE, TAG SAND @ 7470'. C/O SAND & D/O CBP @ 7555'. CFP- 600.
					SWIVEL IN HOLE, TAG SAND @ 7912'. C/O SAND & D/O CBP @ 7978'. CFP- 500.
					SWIVEL IN HOLE, TAG SAND @ 8260'. C/O SAND & D/O CBP @ 8393'. CFP- 600 CIRC WELL CLEAN. R/D SWIVEL.
17:00	1.00	18:00	PULT	Pull Tubing	PULL ABOVE PERFS W/ BIT. SWIFN.
18:00	1.00	19:00	CTRL	Crew Travel	CREW TRAVEL.
19:00	11.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN & SECURE.

9-1D-7-19 Aurora	10/20/2012	06:00 - 10/2	21/2012 06:00	0		
API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43047523940000			Aurora	PRODUCING	9,410.0	Drilling & Completion

Time Lo	g			_	
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.00	08:00	RUTB	Run Tubing	SIWP- 700. RIH F/ TOP OF PERFS W/ 4-3/4 BIT, TAG SAND @ 8717'.
08:00	3.50	11:30	DOPG	Drill Out Plugs	R/U SWIVEL. C/O SAND & D/O CBP @ 8782'. SWIVEL IN HOLE, TAG SAND @ 9146. C/O SAND TO FLOAT COLLAR @ 9319'. D/O F/C. C/O CMT TO 9360' PBTD. CIRC WELL CLEAN FOR 1 HR. R/D SWIVEL.
11:30	1.50	13:00	PULT	Pull Tubing	POOH L/D 2-7/8 TBG TO 6514' & LAND TBG. TOP PERF 6555'. TOTAL JT'S IN HOLE 202.
13:00	1.50	14:30	IWHD	Install Wellhead	N/D BOP. N/U WELLHEAD. DROP BALL DOWN TBG & PUMPED BIT OFF. R/U TBG TO SALES LINE.
14:30	1.00	15:30	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. TURN OVER TO FLOW BACK.
15:30	1.00	16:30	CTRL	Crew Travel	CREW TRAVEL.
16:30	13.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE.

www.peloton.com Page 8/8 Report Printed: 11/2/2012

	STATE OF UTAH			FOF	RM 9
	DEPARTMENT OF NATURAL RESON DIVISION OF OIL, GAS, AND I		3	5.LEASE DESIGNATION AND SERIAL NUMB Fee	BER:
SUNDR	RY NOTICES AND REPORT	rs on	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME: AURORA (DEEP)				
1. TYPE OF WELL Oil Well				8. WELL NAME and NUMBER: AURORA 9-1D-7-19	
2. NAME OF OPERATOR: BILL BARRETT CORP				9. API NUMBER: 43047523940000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300	, Denver, CO, 80202		NE NUMBER: 312-8164 Ext	9. FIELD and POOL or WILDCAT: WILDCAT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2475 FSL 1125 FEL				COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 1 Township: 07.0S Range: 19.0E Mo	eridian: S	3	STATE: UTAH	
11. CHEC	K APPROPRIATE BOXES TO INDI	CATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION		
	ACIDIZE		ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME	
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion: 11/12/2012	DEEPEN	□ F	FRACTURE TREAT	NEW CONSTRUCTION	
	OPERATOR CHANGE	☐ F	PLUG AND ABANDON	PLUG BACK	
SPUD REPORT	✓ PRODUCTION START OR RESUME	☐ F	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR		/ENT OR FLARE	WATER DISPOSAL	
DRILLING REPORT Report Date:	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION	
	WILDCAT WELL DETERMINATION	\Box	OTHER	OTHER:	
12 DESCRIBE BRODOSED OR	COMPLETED OPERATIONS. Clearly sh	ow all no	rtinent details including dates	<u>'</u>	
	well had first oil sales on	-		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 07, 2012	F
NAME (PLEASE PRINT)	PHONE NU	JMBER	TITLE		
Brady Riley	303 312-8115		Permit Analyst		
SIGNATURE N/A			DATE 12/6/2012		

	STATE OF UTAH		FORM 9		
ι	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	1	5.LEASE DESIGNATION AND SERIAL NUMBER: Fee		
SUNDR	Y NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	posals to drill new wells, significantly deep reenter plugged wells, or to drill horizontal l n for such proposals.		7.UNIT or CA AGREEMENT NAME: AURORA (DEEP)		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: AURORA 9-1D-7-19		
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43047523940000		
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300		NE NUMBER: 312-8164 Ext	9. FIELD and POOL or WILDCAT: WILDCAT		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2475 FSL 1125 FEL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NESE Section: 0	HIP, RANGE, MERIDIAN: 1 Township: 07.0S Range: 19.0E Meridian: S	8	STATE: UTAH		
11. CHECI	K APPROPRIATE BOXES TO INDICATE NA	ATURE OF NOTICE, REPOR	T, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
This sundry is beir	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF	poration to request	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: Pepths, volumes, etc. Approved by the Utah Division of Oil, Gas and Mining Date: December 18, 2012 By:		
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE			
Brady Riley SIGNATURE	303 312-8115	Permit Analyst DATE			
N/A		12/18/2012			



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047523940000

Approval valid until the pipeline work has been completed to allow marketing of the gas or until the February 2013 Board Hearing, whichever is sooner. Operator should take any steps available to minimize the flaring of gas that won't cause waste or adversley impact the well or producing reservoir. R649-3-20-4.2.

RECEIVED: Dec. 18, 2012

This sundry is being submitted by Bill Barrett Corporation to request an extended flaring.

The Aurora Federal 9-1D-7-19, which was completed in October/November of 2012, has had an unexpected increase in gas production over the past month and is now approaching the allowable flaring totals. In the month of November 2012, this well has been producing up to 160 mcf/d, and will be shut in within the week in order to keep it from exceeding the current flaring allowables.

The 9-1D-7-19 is tied into a pipeline but the pipeline pressures are too high and it does not have capacity to take in the gas this well is producing. BBC is currently working with another operator in the area to get another compressor and conduct the necessary pipeline work to utilize the existing compressor in which will bring down the line pressure and allow us to resume transporting gas through the pipeline instead of flaring. BBC hopes this agreement is reached within the next 60 days.

If an additional flaring allowance is not granted and BBC shuts in this well, by continuing to shut this well in until the pipeline pressure is reduced, would be detrimental as there is always potential for formation damage with future flow restrictions and shut-ins. Reduction of ultimate recovery can potentially occur by either dehydration of any gelled hydraulic fracture fluid that is still in formation as well as the crushing of the proppant in hydraulic fractures given apparent over-pressure in the Wasatch. Also, there is an increased risk to form downhole paraffin plugs that bridge off the casing and tubing when production rates are reduced. Currently, this well is producing 162BOPD and BBC would prefer to ensure that the well continues to produce to its potential.

With the unanticipated over production of gas, along with the line pressure too high to flow into, BBC is requesting permission, as allowed under R649-3-20, to flare 300 mcf/d on rod pump, with no choke, until the pipeline pressure has been lowered to prevent us from having to shut this well in and reduce the productivity of this well.

Please contact Brady Riley at 303-312-8115 with questions.

			neda e	ST RTMEN	ATE (LIDATO								RT 🗌	F	ORM 8
				ON O											change:		ERIAL NUM	BER:
					•		·····		~~					ee				
	L COM	PLET	ION	OR F	RECO	MPL	ETIC	N R	EPOR	TANE	LOG		6. IF	INDIAN,	ALLOTTE	E OR TR	IBE NAME	
1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER											7. UI	NIT OF CA	AGREEN	MENT NA	ME			
b. TYPE OF WORK NEW WELL	¢: HORIZ. [EP-]	RE- ENTRY]	DIFF. RESVR.		OTHE	R					E and NU 9-10	JMBER:)-7-19		
2. NAME OF OPERATOR: Bill Barrett Corporation 9. API NUMBER: 4304752394																		
3. ADDRESS OF OPERATOR: 1099 18th St Ste 2300 City Denver STATE CO ZIP 80202 PHONE NUMBER: 10 FIELD AND POOL, OR WILDCAT Wildcat										······································								
4. LOCATION OF W	ELL (FOOTA	GES)											11. 0	TR/QTR	SECTIO	N, TOW	ISHIP, RANG	3E,
AT SURFACE:					2052 F	SI 67	6 FFI							ESE	1	78	19E :	
AT TOTAL DEPT	н: 2007	FSL 6	42 FE		SHLL									COUNTY lintah		$\overline{}$	13. STATE	UTAH
14. DATE SPUDDED 8/31/2012	D: 1	5. DATE T. 9/23/2			16. DAT	E COMPL	ETED:		ABANDONE	ьП	READY TO P	RODUC		17, ELE			3, RT, GL):	
18. TOTAL DEPTH:	MD 9,4			19. PLUG		12/201 D.: MD					OMPLETIONS			21. DEP	385 G	GE ME)	
22. TYPE ELECTRIC	TVD 9,		ICAL LO	GS RLIN (Submit co		9,275			23.					UG SET:	TV	D	
						py or coor	,			WAS WEL	L CORED? RUN? NAL SURVEY	?	NO NO	7	YES YES YES	(Suit	omit analysis omit report) omit copy))
24. CASING AND L	NER RECOR	RD (Report	all string	s set In w	ell)											<u>-</u>		
HOLE SIZE	SIZE/GR	ADE	WEIGHT	(#作)	TOP	(MD)	вотто	M (MD)	STAGE CI	MENTER PTH	CEMENT TY NO. OF SA		SLUF VOLUME	RRY E (BBL)	СЕМЕ	VIT TOP *	* AMOUN	IT PULLED
24	16	H-40	65	65# 0 80 80							0							
12 1/4	9 5/8	J-55	36	#	. ()	4,2	251	1,5	528	HLC	200	22	25		0		
											P	240	5	7				
8 3/4	5 1/2	P11 ≘	17	'#)	9,4	110	9,4	-00		885	366 27		742	1:	5000	
,												605	15	4				
	<u> </u>						· .		<u> </u>						<u> </u>			
25. TUBING RECOR		OFT (410)	l prot							1								
2 7/8		SET (MD) 266	PACE	(ER SET (MD)	SIZE	:	DEPTH	SET (MD)	PACKE	R SET (MD)		SIZE	E	EPTH SE	T (MD)	PACKER	SET (MD)
26. PRODUCING IN										Z7. PERFO	RATION REC	ORD	****				<u> </u>	·············
FORMATION	NAME	TOP	(MD)	BOTTO	OM (MD)	TOP	(TVD)	вотто	M (TVD)		L (Top/Bot - M		SIZE	NO. HOL	ES	PERFC	RATION ST	ATUS
(A) Green Riv	/er	6,5	555	8,	373			T -		6,555		373	.44	219) Op	en 🗸	Squeezed	
(B) Wasatch		8,4	133	9,	183					8,433		183	.44	87		en 🗸	Squeezed	
(C)															Op	_	Squeezeo	$\overline{\Box}$
(D)															Op	en 🗍	Squeezed	$\overline{\Box}$
28. ACID, FRACTU	RE, TREATM	IENT, CEME	NT SQU	EEZE, ET	c.			<u> </u>		****************	***************************************	· · ·						
DEPTH	INTERVAL		1						AMO	UNT AND T	YPE OF MATI	ERIAL						
6555 TO 83	73		Gre	en Riv	er: Se	e Trea	tment	Stage	s 3-7						· · · · · · · · · · · · · · · · · · ·	P-11	,, ,	
8433 TO 91				satch:													·	
29, ENCLOSED AT	TACHMENTS	} :														30. WE	LL STATUS	:
	RICAL/MECH			CEMENT	í VERIFIC	ATION	=	GEOLOG CORE AN	IC REPORT	$\overline{}$	DST REPORT	Z	DIREC	TIONAL S	SURVEY		POV	٧
(5/2000)			***************************************				len	NTINI	ED ON B	ACK)					RE	CE	IVE)

DEC 05 2012

31. INITIAL PRODUCTION							
DATE FIRST PRO	DDUCED:						
11/12/201	2						
CHOKE SIZE:	TBG. PRESS.						
46/64	300						
DATE FIRST PRODUCED:							
<u> </u>	T						

INTERVAL A (As shown in item #26)

DATE FIRST PR 11/12/201		TEST DATE: HOURS TESTED: 24		· -	TEST PRODUCTION RATES: →	OIL - BBL: 284	GAS-MCF: 68	WATER - BBL:	PROD. METHOD:	
				<u> </u>	 					Flowing
CHOKE SIZE: 46/64	TBG. PRESS. 300	CSG. PRESS. 100	API GRAVITY 52.00	BTU - GAS	GAS/OIL RATIO 239	24 HR PRODUCTION RATES: →	OIL BBL: 284	GAS-MCF: 68	WATER - BBL:	INTERVAL STATUS:
				INT	ERVAL B (As sho	wn in item #26)				
DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TESTED): ·	TEST PRODUCTION RATES: →	OIL-BBL:	GAS MCF:	WATER BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:
				INT	ERVAL C (As sho	wa in item #26)	-			
DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TESTED):	TEST PRODUCTION RATES: →	OIL - BBL;	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG, PRESS.	CSG, PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL BBL:	GAS-MCF:	WATER - BBL:	INTERVAL STATUS:
				INT	ERVAL D (As sho	wn in item #26)				
DATE FIRST PR	ODUCED:	TEST DATE:	· · · · · · · · · · · · · · · · · · ·	HOURS TESTED):	TEST PRODUCTION RATES: →	OIL-BBL:	GAS MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG, PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL-BBL:	GAS MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River Mahogany Douglas Creek Black Shale Castle Peak Uteland Butte Wasatch TD	4,215 5,690 7,006 7,573 7,824 8,084 8,401 9,410

35. ADDITIONAL REMARKS (include plugging procedure)

TOC was calculated by CBL, conductor was cemented with grout. Treatment data attached.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all a	vailable records

Julie Webb NAME (PLEASE PRIN

Permit analyst

SIGNATUR

12/5/2012 DATE

This report must be submitted within 30 days of

- completing or plugging a new well
 drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- · reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax:

Box 145801

801-359-3940

^{*} ITEM 20: Show the number of completions if production is measured separately from two or more formations.

Aurora 9-1D-7-19 Completion Report Continued*

	44. ACID, FRACTUR	E, TREATMENT, CEMENT SQU	EEZE, ETC. (cont.)							
AMOUNT AND TYPE OF MATERIAL										
<u>Stage</u>	BBLS Slurry	lbs 100 Mesh Sand	lbs White SandSand							
1	2,655	7,100	140,400							
2	2,492	7,300	117,600							
3	2,803	8,300	150,100							
4	2,819	8,400	150,500							
5	2,762	8,600	141,900							
6	2,949	8,700	159,200							
7	3,115	9,440	155,980							

^{*}Depth intervals for frac information same as perforation record intervals.

Bill Barrett Corp

Uintah County, UT (NAD 1927) Sec. 1-T7S-R19E Aurora 9-1D-7-19

Plan A

Design: MWD Survey

Sperry Drilling ServicesFinal Survey Report

04 December, 2012

Well Coordinates: 699,084.28 N, 2,495,464.77 E (40° 14' 21.05" N, 109° 43' 30.36" W)

Ground Level: 4,885.00 ft

Local Coordinate Origin:

Centered on Well Aurora 9-1D-7-19

Viewing Datum:

KB=24' @ 4909.00ft (H&P 319)

TVDs to System:

N

North Reference:

True

Unit System:

API - US Survey Feet - Custom

Geodetic Scale Factor Applied Version: 2003.16 Build: 43I

Design Report for Aurora 9-1D-7-19 - MWD Survey

Measured Depth	lmalimati	A-1	Vertical Depth			Vertical	Dogleg
Deptn (ft)	Inclination (°)	Azimuth (°)	Depth (ft)	+N/-S (ft)	+E/- W (ft)	Section (ft)	Rate (°/100ft)
• •			, ,				• •
0.00 132.00	0.00 0.28	0.00 160.14	0.00 132.00	0.00 -0.30	0.00	0.00	0.00
First MWD S		100.14	132,00	-0.30	0.11	0.29	0.21
255.00	0.38	184.09	255.00	-0,99	0.18	0.94	0.14
340.00	0.17	181.33	340.00	-0.99 -1.40	0.16	0.84	0.14
431.00	0.17	187.77	431.00	-1.45 -1.75	0.18	1.12	0.25
				-1.75	0.13	1.35	0.11
522.00	0.23	144.54	521.99	- 2.11	0.20	1.66	0.21
614.00	0.37	200.55	613.99	-2.54	0.21	1.98	0.33
708.00	0.61	211.53	707.99	-3.25	-0.16	2.24	0.27
802.00	0.54	187.72	801.99	-4.11	-0.48	2.64	0.26
896.00	0.12	83.78	895.98	-4.54	-0.44	2.97	0.62
990.00	0.23	83.35	989.98	-4.51	-0.16	3.15	0.12
1,085.00	0.45	61.21	1,084.98	-4.31	0.36	3.36	0.27
1,179.00	0.41	68.50	1,178.98	-4.01	0.99	3.58	0.07
1,273.00	0.15	11.25	1,272.98	-3.76	1.33	3.64	0.37
1,367.00	0.40	73.58	1,366.98	-3.55	1.67	3.72	0.38
1,461.00	0.29	69.73	1,460.98	-3.37	2.21	2.06	0.40
1,556.00	0.23	82.67	1,555.97	-3.26	2.69	3.96 4.21	0.12
1,650.00	0.27	66.93	1,649.97	-3.26 -3.14	3.14	4.21 4.44	0.07 0.09
1,745.00	0.42	73.96	1,744.97	-2.95	3.68	4. 44 4.68	0.09
1,839.00	0.30	101.86	1,838.97	-2.91	4.26	5.05	
			·		4.20	5.05	0.22
1,933.00	0.42	150.26	1,932.97	-3.26	4.67	5.58	0.33
2,027.00	1.48	138.09	2,026.95	-4.46	5.65	7.13	1.14
2,122.00	2.63	132.20	2,121.89	-6.84	8.08	10.53	1.23
2,216.00	3.20	129.44	2,215.77	-9.95	11.71	15.29	0.62
2,310.00	3.92	131.31	2,309.59	-13.74	16.15	21.09	0.78
2,405.00	5.23	135.19	2,404.28	-18.96	21.64	28.66	1.42
2,498.00	6.39	132.17	2,496.80	-25.44	28.46	38.06	1.29
2,593.00	7.17	129.14	2,591.14	-32.73	36.98	49.21	0.90
2,687.00	7.69	127.42	2,684.35	-40.26	46.52	61.25	0.60
2,781.00	8.80	129.50	2,777.38	-48.65	57.07	74.61	1.22
2,876.00	8.54	128.48	2,871.29	-57.66	68.20	88.81	0.32
2,970.00	8.10	129.13	2,964.30	-66.19	78.80	102.30	0.48
3,064.00	8.84	134.52	3,057.28	-75.43	89.08	116.09	1.15
3,158.00	9.51	135.01	3,150.07	-85.99	99.72	131.07	0.72
3,253.00	9.59	133.64	3,243.76	-97.00	111.00	146.82	0.25
2 247 00				407.00			
3,347.00	9.53	134.59	3,336.45	-107.86	122.21	162.42	0.18
3,441.00	9.42	135.10	3,429.17	-118.78	133.18	177.89	0.15
3,535.00 3,630.00	9.11 8.53	136.21 136.26	3,521.94	-129.60	143.76	193.02	0.38
3,724.00	9.23	133.16	3,615.82 3,708.69	-140.12 -150.31	153.83	207.59	0.61
				-150.51	164.15	222.09	0.90
3,818.00	9.90	135.06	3,801.39	-161.19	175.36	237.70	0.79
3,912.00	9.37	134.16	3,894.06	-172.24	186.56	253.42	0.59
4,007.00	8.82	132.76	3,987.86	-182.57	197.45	268.42	0.62
4,101.00	9.48	134.27	4,080.67	-192.87	208.29	283.35	0.75
4,195.00	8.18	132.13	4,173.55	-202.76	218.79	297.76	1.43
4,290.00	7.76	134.27	4,267.63	-211.77	228.40	310.91	0.54
4,384.00	7.68	139.42	4,360.78	-220.97	237.03	323.52	0.74
4,478.00	9.36	142.38	4,453.74	-231.79	245.78	337.40	1.85
4,572.00	9.30	139.83	4,546.50	-243.65	255.34	352.58	0.44

Design Report for Aurora 9-1D-7-19 - MWD Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/- W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
4,667.00	8.51	137.88	4,640.36	-254.73	265.01	367.26	0.89
4,761.00	7.84	127.85	4,733.40	-263.82	274.74	380.56	1.67
4,855.00	7.64	128.28	4,826.55	-271.63	284.71	393.09	0.22
4,949.00	7.74	130.82	4,919.70	-279.64	294.40	405.58	0.38
5,044.00	7.98	130.18	5,013.81	-288.07	304.28	418.51	0.27
5,138.00	8.46	131.38	5,106.84	-296.85	314.45	431.88	0.54
5,232.00	8.11	131.71	5,199.86	-305.84	324.59	445.38	0.38
5,326.00	7.03	129.29	5,293.04	-313.89	333.99	457.70	1.20
5,421.00	8.31	135.84	5,387.19	-322.50	343.28	470.34	1.63
5,515.00	9.43	130.78	5,480.07	-332.40	353.84	484.80	1.45
5,609.00	7.96	125.38	5,572.99	-341.20	364.98	498.86	1.79
5,703.00	8.48	133.85	5,666.02	-349.77	375.28	512.17	1.40
5,798.00	7.00	132.82	5,760.16	-358.56	384.58	524.95	1.56
5,892.00	7.91	136.19	5,853.36	-367.12	393.26	537.14	1.07
5,986.00	7.05	133.87	5,946.56	-375.79	401.90	549.37	0.97
6,081.00	6.77	136.80	6,040.87	-383.91	409.93	549.37 560.79	0.97 0.47
6,175.00	6.71	136.51	6,134.22	-391.93	417.51	571.82	0.07
6,269.00	7.00	136.24	6,227.55	-400.05	425.25	583.04	0.31
6,363.00	7.37	134.50	6.320.81	-408.41	425.25 433.51		
6,457.00	6.38	131.86	6,414.13	-416.13	441.70	594.80	0.46
6,552.00	5.47	135.11	6,508.63	-422.86	441.70 448.83	606.03 615.82	1.11 1.02
6,646.00	4.68	142.26	6,602.26	-429.06	454.34	624.11	
6,740.00	4.17	140.72	6,695.98	-434.74	454.34 458.85		1.08
6,834.00	3.29	145.82	6,789.78			631.34	0.56
6,928.00	2.77	163.17	•	-439.62	462.53	637.40	1.00
7,023.00	2.77	160.52	6,883.65 6,978.56	-444.02 -447.85	464.70 465.94	642.09 645.71	1.12 0.74
7,117.00	1.95	173.04	7,072.50	-451.04	466.70		
7,211.00	1.41	121.79	7,166.47	-453.24	467.88	648.54	0.49
7,306.00	2.62	88.01	7,100.47	-453.78	471.04	650.94	1.63
7,400.00	2.33	83,58	7,355.32	-453.76 -453.49		653.52	1.73
7,494.00	2.68	89.94	7,449.23	-453.4 9 -453.28	475.09 479.18	656.11 658.79	0.37 0.47
7,589.00	2.18	93.94	7,544.15	-453,40			
7,683.00	1.71	94.54	7,638.09	-453.63	483.21	661.66 664.03	0.56
7,778.00	1.77	94.54 118.95	7,636.09		486.39	664.03	0.50
7,778.00	0.65	123.53	7,733.06 7,827.05	-454.22 -454.99	488.67	666.03	0.84
7,872.00	0.65	173.50	7,827.05 7,922.05	-454.99 -455.47	489.96 490.43	667.48 668.15	0.58 0.56
8,061.00	0.18	239.40	8,016.05	-455.74 450.22	490.33	668.27	0.24
8,155.00	0.77	216.05	8,110.04	-456.32	489.83	668.35	0.65
8,250.00	0.53	245.44	8,205.04	-457.02	489.06	668.32	0.42
8,344.00	0.18	113.34	8,299.04	-457.26 457.00	488.80	668.31	0.71
8,438.00	0.51	216.02	8,393.04	-457.66	488.68	668.52	0.61
8,533.00	0.72	268.28	8,488.03	-458.02	487.84	668.20	0.60
8,627.00	0.81	265.40	8,582.02	-458.09	486.59	667.38	0.10
8,722.00	0.67	256.70	8,677.01	-458.27	485.38	666.68	0.19
8,816.00	0.93	240.41	8,771.01	-458.77	484.18	666.21	0.36
9,099.00	0.91	197.31	9,053.97	-462.05	481.51	666.74	0.24
9,354.00	1.26	155.03	9,308.93	-466.53	482.09	670.37	0.33
Final MWD	•						
9,410.00 Survey Pro		155.03	9,364.92	-467.64	482.61	671.54	0.00

Design Report for Aurora 9-1D-7-19 - MWD Survey

Design Annotations

Measured	Vertical	Local Coor	dinates	
Depth (ft)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
132.00	132.00	-0.30	0.11	First MWD Survey
9,354.00	9,308.93	-466.53	482.09	Final MWD Survey
9,410.00	9,364.92	-467.64	482.61	Survey Projection to TD

Vertical Section Information

Target

Angle Type		Azimuth (°)	Origin Type	Origin		Start
	Target			+N/_S (ft)	+E/-W (ft)	TVD (ft)
	Aurora 9-1D-7-19_PlanA - Rev0_BHL	136.26	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)		Survey Tool	
` '	` '			
132.00	9,410.00	Sperry MWD Surveys		MWD .

Targets

Target Name - hit/miss target - Shane	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Aurora	0.00	0.00	6,799.00	-487.79	466.82	698,605.89	2,495,941.14	40° 14' 16.231 N	109° 43' 24.341 W
- actual wellpath misses target center by 47.84ft at 6845.57ft MD (6801.33 TVD, -440.17 N, 462.89 E) - Rectangle (sides W200.00 H200.00 D2,576.00)									
Aurora	0.00	0.00	9,375.00	-487.79	466.82	698,605.89	2,495,941.14	40° 14' 16.231 N	109° 43' 24.341 W
 - actual wellpath misses target center by 27.51ft at 9410.00ft MD (9364.92 TVD, -467.64 N, 482.61 E) - Point 									
Aurora	0.00	0.00	0.00	0.00	0.00	699,084.28	2,495,464.77	40° 14' 21.052 N	109° 43' 30.360 W
- actual wellpath - Polygon Point 1 Point 2 Point 3	hits target o	center		667.00 -	688.00	698,809.59 698,409.70 698,809.59	2,496,137.31 2,496,145.24 2,496,137.31		

North Reference Sheet for Sec. 1-T7S-R19E - Aurora 9-1D-7-19 - Plan A

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to KB=24' @ 4909.00ft (H&P 319). Northing and Easting are relative to Aurora 9-1D-7-19

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

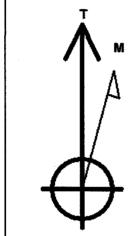
Central Meridian is 111° 30' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 39' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99992366

Grid Coordinates of Well: 699,084.28 ft N, 2,495,464.77 ft E Geographical Coordinates of Well: 40° 14' 21.05" N, 109° 43' 30.36" W Grid Convergence at Surface is: 1.14°

Based upon Minimum Curvature type calculations, at a Measured Depth of 9,410.00ft the Bottom Hole Displacement is 672,02ft in the Direction of 134,10° (True).

Magnetic Convergence at surface is: -9.93° (15 September 2012, , BGGM2012)



Magnetic Model: BGGM2012 Date: 15-Sep-12 Declination: 11.07

Inclination/Dip: 65.97° Field Strength: 52247

Grid North is 1.14° East of True North (Grid Convergence) Magnetic North is 11.07° East of True North (Magnetic Declination) ragnetic North is 9.93" East of Grid North (Magnetic Convergence)

To convert a True Direction to a Grid Direction, Subtract 1.14° o convert a Magnetic Direction to a True Direction, Add 11.07° East To convert a Magnetic Direction to a Grid Direction, Add 9.93°

Project: Uintah County, UT (NAD 1927) Site: Sec. 1-T7S-R19E Well: Aurora 9-1D-7-19

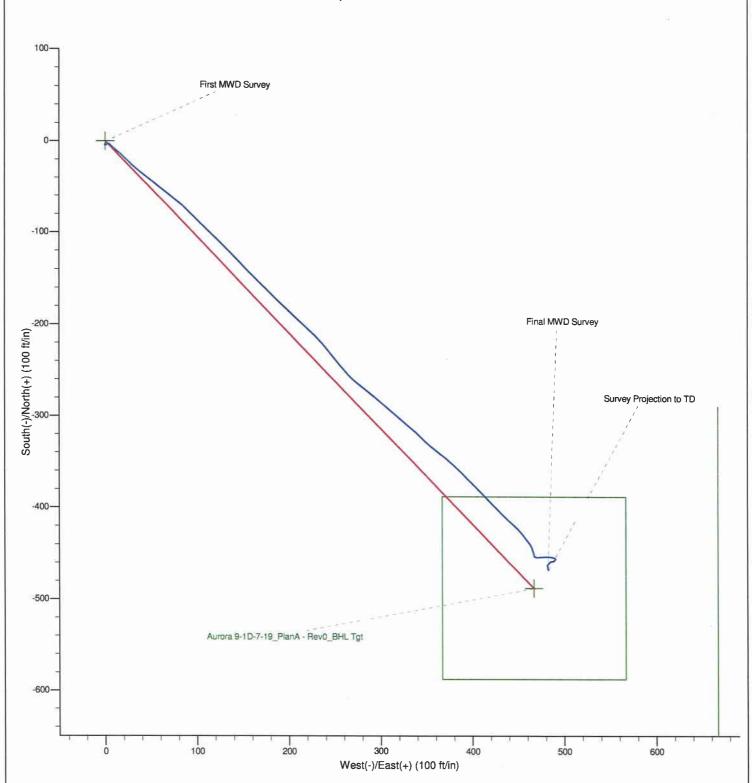
Bill Barrett Corp



LEGEND

Aurora 9-1D-7-19, Plan A, Plan A - Rev 0 Proposal V0

- MWD Survey



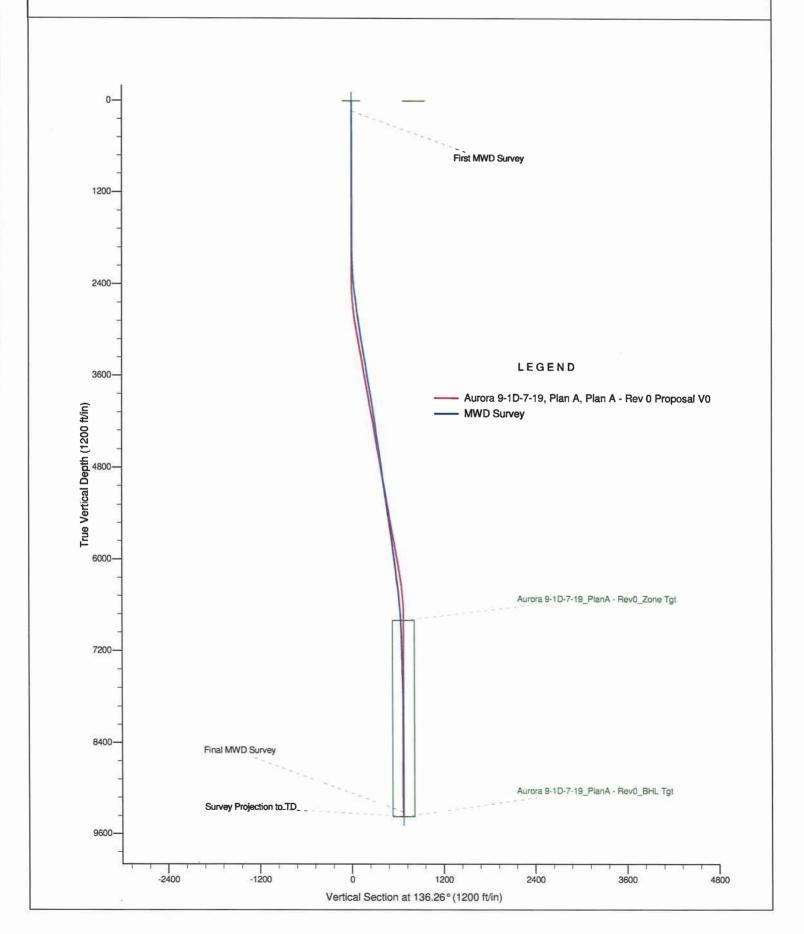
Project: Uintah County, UT (NAD 1927) Site: Sec. 1-T7S-R19E

Well: Aurora 9-1D-7-19

Bill Barrett Corp



Sperry Drilling



4304751285, 430.4752005,

4304751509, 4304752006, 4304752129, 43047 52394



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Utah State Office 440 West 200 South, Suite 500 Salt Lake City, UT 84101 http://www.blm.gov/ut/st/en.html



IN REPLY REFER TO: 3180 (UTU82456X) UT922000

April 19, 2013



Mr. Thomas Abell **Bill Barrett Corporation** 1099 18th Street, Suite 2300 Denver, Colorado 80202

> Re: Initial Green River-Wasatch **Participating Areas** "C" "D" "E" "F" "G" and "H" Aurora (Deep) Unit Uintah County, Utah

Dear Mr. Abell:

The Initial Green River-Wasatch Participating Area "C", Aurora (Deep) Unit, UTU82456E, is hereby approved effective as of February 24, 2011, pursuant to Section 11 of the Aurora (Deep) Unit Agreement, Uintah County, Utah.

The Initial Green River-Wasatch Participating Area "C" contains 151.15 acres and is based on the completion of Unit Well No. Four Star 7-32-7-20, API No. 43-047-51285, located in the NE¹/₄ SW¹/₄ of Section 7, Township 7 South, Range 20 East, SLB&M, Unit Tract No. 24, Fee Lease, as a well capable of producing unitized substances in paying quantities.

The Initial Green River-Wasatch Participating Area "D", Aurora (Deep) Unit, UTU82456F, is hereby approved effective as of April 16, 2012, pursuant to Section 11 of the Aurora (Deep) Unit Agreement, Uintah County, Utah.

The Initial Green River-Wasatch Participating Area "D" contains 160.00 acres and is based on the completion of Unit Well No. Aurora 15-28D-7-20, API No. 43-047-52006, located in the SW1/4 SE1/4 of Section 28, Township 7 South, Range 20 East, SLB&M, Unit Tract No. 16, Lease No. UTU80689, as a well capable of producing unitized substances in paying quantities.

The Initial Green River-Wasatch Participating Area "E", Aurora (Deep) Unit, UTU82456G, is hereby approved effective as of May 5, 2012, pursuant to Section 11 of the Aurora (Deep) Unit Agreement, Uintah County, Utah.

The Initial Green River-Wasatch Participating Area "E" contains 160.00 acres and is based on the completion of Unit Well No. Aurora 3-20D-7-20, API No. 43-047-52005, located in the NE½NW¼ of Section 20, Township 7 South, Range 20 East, SLB&M, Unit Tract No. 8, Lease No. UTU75093, as a well capable of producing unitized substances in paying quantities.

Please be advised that the Unit Well No. Wall 13-17 API No. 43-047-36668, located in the SW½SW½ of Section 17, Township 7 South, Range 20 East, SLB&M, was recompleted in the Green River-Wasatch Formation on July 18, 2012, and determined to be a well capable of producing unitized substances in paying quantities by our office on April 1, 2013. The first revision of the Green River-Wasatch Participating Area "E", when submitted by your office, will be effective July 1, 2012.

The Initial Green River-Wasatch Participating Area "F", Aurora (Deep) Unit, UTU82456H, is hereby approved effective as of August 24, 2012, pursuant to Section 11 of the Aurora (Deep) Unit Agreement, Uintah County, Utah.

The Initial Green River-Wasatch Participating Area "F" contains 160.00 acres and is based on the completion of Unit Well No. Aurora 15-8-7-20, API No. 43-047-51509, located in the SW¹/₄SE¹/₄ of Section 8, Township 7 South, Range 20 East, SLB&M, Unit Tract No. 25, Fee Lease, as a well capable of producing unitized substances in paying quantities.

The Initial Green River-Wasatch Participating Area "G", Aurora (Deep) Unit, UTU82456I, is hereby approved effective as of October 31, 2012, pursuant to Section 11 of the Aurora (Deep) Unit Agreement, Uintah County, Utah.

The Initial Green River-Wasatch Participating Area "G" contains 160.00 acres and is based on the completion of Unit Well No. Aurora 3-16D-7-20, API No. 43-047-51129, located in the SE½NW¼ of Section 16, Township 7 South, Range 20 East, SLB&M, Unit Tract No. 32, Fee Lease, as a well capable of producing unitized substances in paying quantities.

The Initial Green River-Wasatch Participating Area "H", Aurora (Deep) Unit, UTU82456J, is hereby approved effective as of November 12, 2012, pursuant to Section 11 of the Aurora (Deep) Unit Agreement, Uintah County, Utah.

The Initial Green River-Wasatch Participating Area "H" contains 160.00 acres and is based on the completion of Unit Well No. Aurora 9-1D-7-20, API No. 43-047-52394, located in the NE¹/₄SE¹/₄ of Section 1, Township 7 South, Range 20 East, SLB&M, Unit Tract No. 20, Fee Lease, as a well capable of producing unitized substances in paying quantities.

Copies of the approved requests are being distributed to the appropriate regulatory agencies and one copy is returned herewith. Please advise all interested parties of the approval of the Initial Green River-Wasatch Participating Areas "C" "D" "E" "F" "G" and "H", Aurora (Deep) Unit and their effective dates.

If you have any questions, please contact Judy Nordstrom at (801) 539-4108.

Sincerely,

/s/Roger L. Bankert

Roger L. Bankert Chief, Branch of Minerals

Enclosure

cc: ONRR w/Exhibit "B" (Attn: Nancy McCarty)

BLM FOM - Vernal w/enclosure

bcc: Unit file – Aurora (Deep) Unit w/enclosure

Fluids – Mickey Fluids - Becky Fluids - Judy Agr. Sec. Chron

Agr. Sec. Chron. Reading File Central Files

JNordstrom:4/18/2013